

10/504,966

=> file caplus

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FILE COVERS 1907 - 22 Jun 2006 VOL 144 ISS 26

FILE LAST UPDATED: 21 Jun 2006 (20060621/ED)

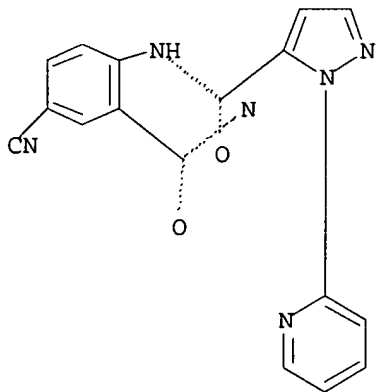
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L3 116 SEA FILE=REGISTRY SSS FUL L1

L4 14 SEA FILE=CAPLUS L3

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L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:496102 CAPLUS

DOCUMENT NUMBER: 144:462625

TITLE: Preparation of anthranilamide derivative insecticides and acaricides

INVENTOR(S): Lahm, George Philip; Selby, Thomas Paul; Stevenson, Thomas Martin; Taggi, Andrew Edmund; Bereznak, James Francis

PATENT ASSIGNEE(S): E.I. Dupont De Nemours and Co., USA

SOURCE: PCT Int. Appl., 97 pp.

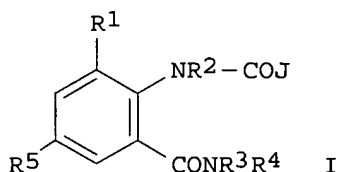
CODEN: PIXXD2

10/504,966

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006055922	A2	20060526	WO 2005-US42196	20051118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-629120P	P 20041118
			US 2005-689414P	P 20050610

GI



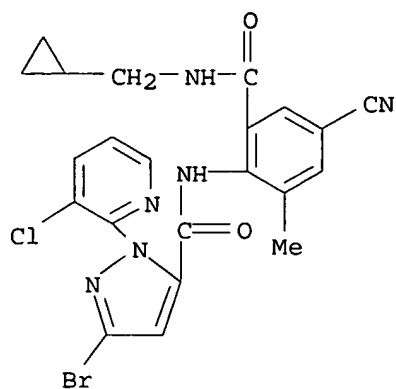
AB The anthranilamide derivs. I and their geometric and stereoisomers, N-oxides, and salts [J = (un)substituted Ph or N-containing heterocyclyl; R1 = alkyl alkenyl, alkynyl, etc.; R2 = alkylcarbonyl, alkoxy carbonyl or (di)alkylaminocarbonyl; R3 = (cyclo)alkyl, alkenyl, alkynyl, alkoxy, etc.; R4 = (un)substituted alkylcycloalkyl, alkenylcycloalkyl, alkynylcycloalkyl, cycloalkylalkyl, cycloalkylalkenyl, cycloalkylalkynyl, cycloalkenylalkyl or alkylcycloalkenyl, oxiranylalkyl, thiranylalkyl, oxetanylalkyl, thietanylalkyl, 3-oxetanyl or 3-thietanyl; R5 = (cyclo)alkyl, haloalkyl, alkenyl alkynyl, etc.] are prepared as pesticides for controlling invertebrate pests, specifically insecticides and acaricides.

IT 736995-23-6P 886583-28-4P 886583-33-1P  
886583-36-4P 886583-58-0P 886583-59-1P  
886583-69-3P  
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as insecticide and acaricides)

RN 736995-23-6 CAPLUS

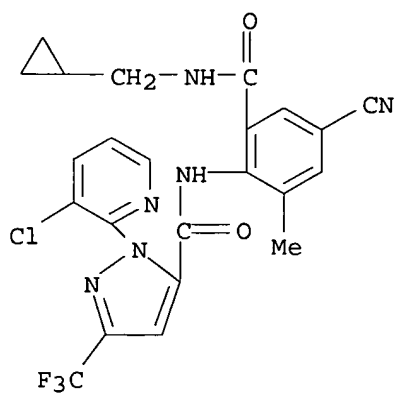
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[[(cyclopropylmethyl)amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

10/504,966



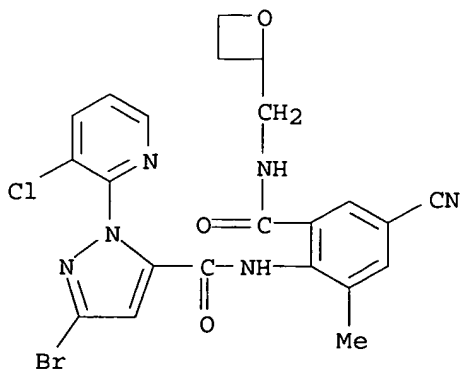
RN 886583-28-4 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-  
[[cyclopropylmethyl]amino]carbonyl]-6-methylphenyl]-3-(trifluoromethyl)-  
(9CI) (CA INDEX NAME)



RN 886583-33-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-  
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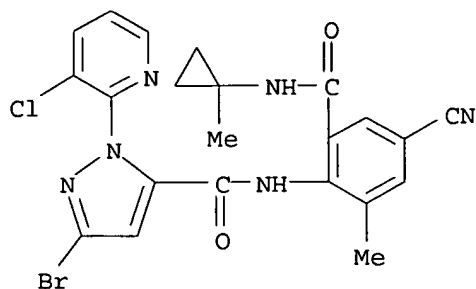


RN 886583-36-4 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-  
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NAME)

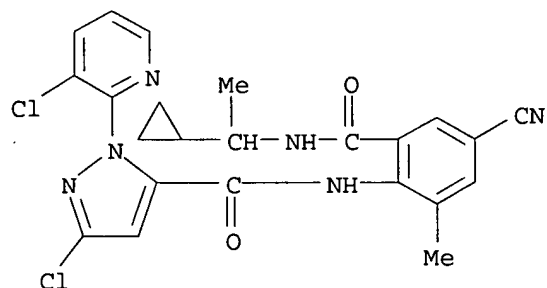
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NAME)



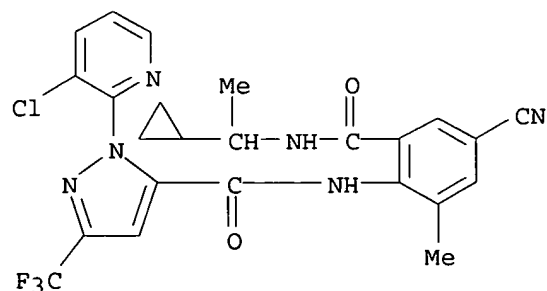
RN 886583-58-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[ (1-cyclopropylethyl) amino] carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 886583-59-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[ (1-cyclopropylethyl) amino] carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



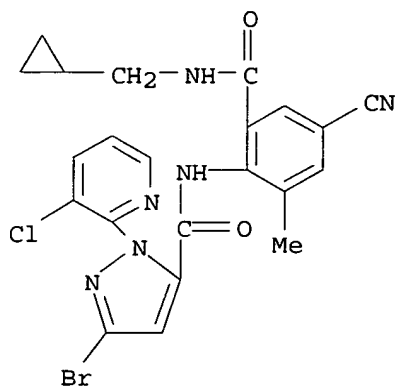
RN 886583-69-3 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[ (1-cyclopropylethyl) amino] carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

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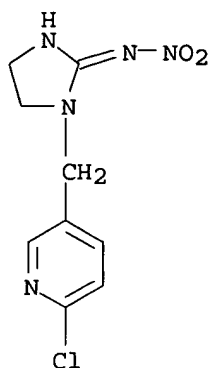
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
	(synergistic insecticide and acaricide)
RN	886583-67-1 CAPLUS
CN	1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2- [[cyclopropylmethyl]amino]carbonyl]-6-methylphenyl]-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

CRN 736995-23-6  
CMF C22 H18 Br Cl N6 O2



CRN 138261-41-3  
CMF C9 H10 Cl N5 O2

10/504,966



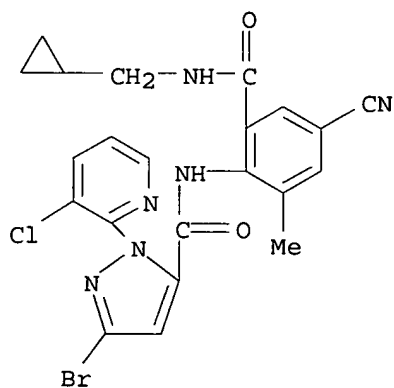
RN 886583-68-2 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-  
[[cyclopropylmethyl]amino]carbonyl]-6-methylphenyl]-, mixt. with  
3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-N-nitro-4H-1,3,5-  
oxadiazin-4-imine (9CI) (CA INDEX NAME)

CM 1

CRN 736995-23-6

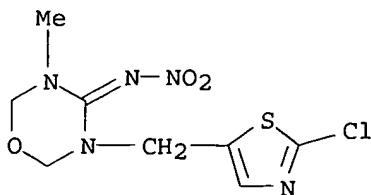
CMF C22 H18 Br Cl N6 O2



CM 2

CRN 153719-23-4

CMF C8 H10 Cl N5 O3 S

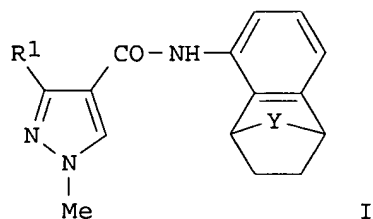


10/504,966

DOCUMENT NUMBER: 144:364543  
TITLE: Synergistic fungicidal compositions comprising pyrazole derivatives  
INVENTOR(S): Walter, Harald; Corsi, Camilla; Ehrenfreund, Josef; Lamberth, Clemens; Tobler, Hans  
PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.  
SOURCE: PCT Int. Appl., 142 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006037632	A1	20060413	WO 2005-EP10755	20051006
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM.			

PRIORITY APPLN. INFO.: GB 2004-22401 A 20041008  
GI



AB Synergistic fungicidal compns. comprise a pyrazole derivative I (R1 = difluoromethyl or trifluoromethyl; Y = CHR2 or C:CH2; R2 = H or alkyl) or a I tautomer and component any of a very large number of known fungicides and insecticides.

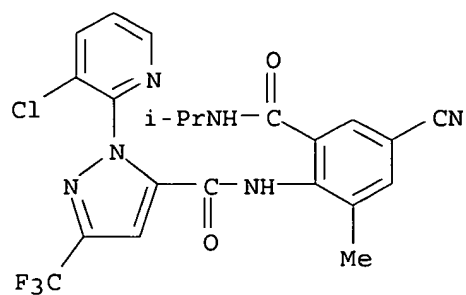
IT 500011-03-0D, mixts. with pyrazole derivs. 736994-60-8D, mixts. with pyrazole derivs. 736994-61-9D, mixts. with pyrazole derivs. 736994-63-1D, mixts. with pyrazole derivs. 736994-81-3D, mixts. with pyrazole derivs. 736994-82-4D, mixts. with pyrazole derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal compns.)

RN 500011-03-0 CAPLUS

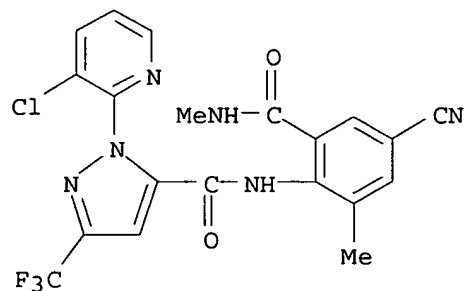
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

10/504,966



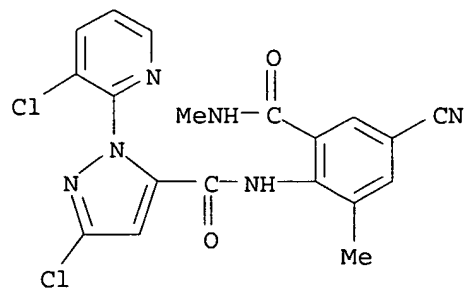
RN 736994-60-8 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-61-9 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

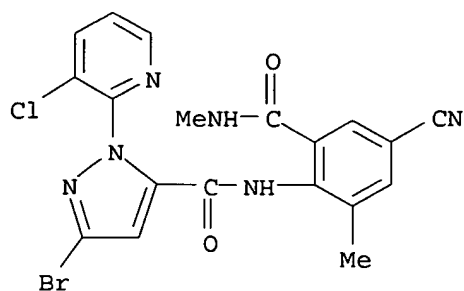


RN 736994-63-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

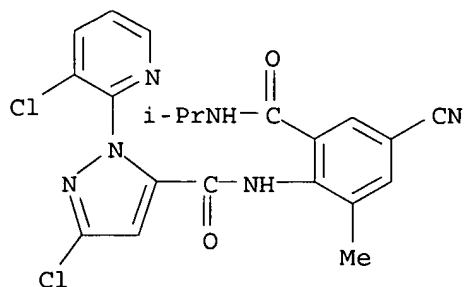


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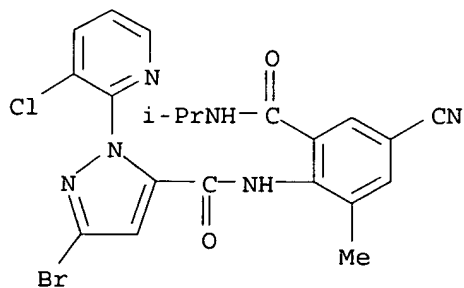
RN 736994-81-3 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-82-4 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:343286 CAPLUS

DOCUMENT NUMBER: 144:364542

TITLE: Synergistic fungicidal compositions comprising a pyridine derivative

INVENTOR(S): Walter, Harald; Corsi, Camilla; Ehrendfreund, Josef; Lamberth, Clemens; Tobler, Hans

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 112 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

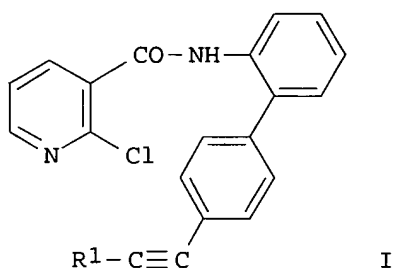
LANGUAGE: English

10/504,966

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006037633	A1	20060413	WO 2005-EP10756	20051006
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: GB 2004-22399 A 20041008  
GI



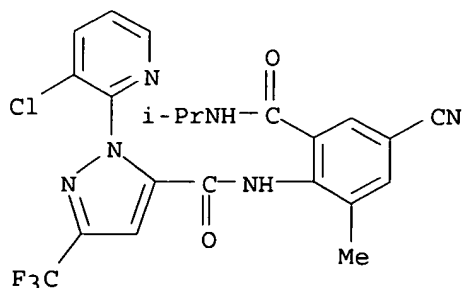
AB A method of controlling phytopathogenic diseases on useful plants or on plant propagation material comprises applying a pyridine derivative I ( $R^1$  = alkyl, alkoxyalkyl or haloalkyl) or a I tautomer, in a mixts. with any of a very large number of known fungicides and/or insecticides.

IT **500011-03-0D**, mixts. with pyridine derivs. **736994-60-8D**, mixts. with pyridine derivs. **736994-61-9D**, mixts. with pyridine derivs. **736994-63-1D**, mixts. with pyridine derivs. **736994-81-3D**, mixts. with pyridine derivs. **736994-82-4D**, mixts. with pyridine derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal compns.)

RN 500011-03-0 CAPLUS

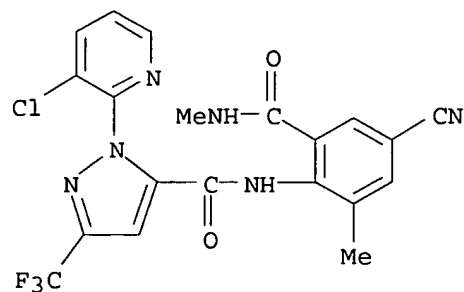
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[ (1-methylethyl) amino] carbonyl] phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



10/504,966

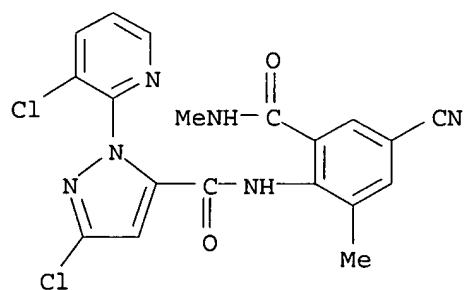
RN 736994-60-8 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



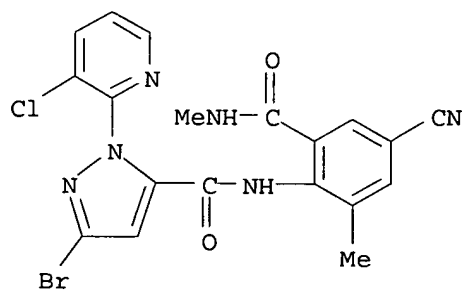
RN 736994-61-9 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-63-1 CAPLUS

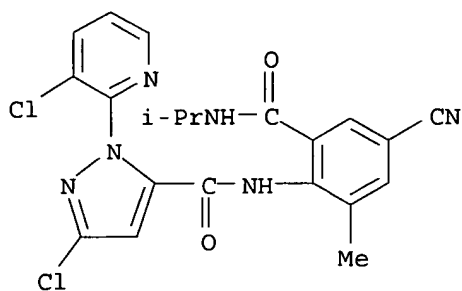
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-81-3 CAPLUS

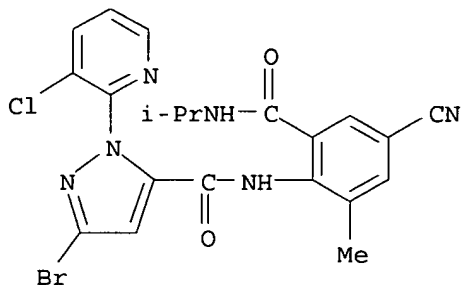
CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methylethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

10/504,966



RN 736994-82-4 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:342999 CAPLUS

DOCUMENT NUMBER: 144:364541

TITLE: Synergistic fungicidal compositions comprising a pyrazole derivative

INVENTOR(S): Walter, Harald; Corsi, Camilla; Ehrenfreund, Josef; Lamberth, Clemens; Tobler, Hans

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 139 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

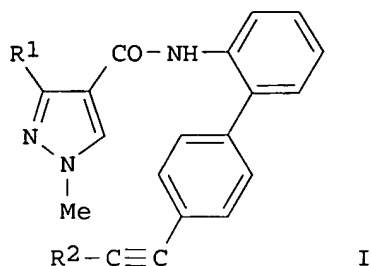
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WO 2006037634	A1	20060413	WO 2005-EP10757	20051006
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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10/504,966

KG, KZ, MD, RU, TJ, TM  
PRIORITY APPLN. INFO.:  
GI

GB 2004-22400

A 20041008



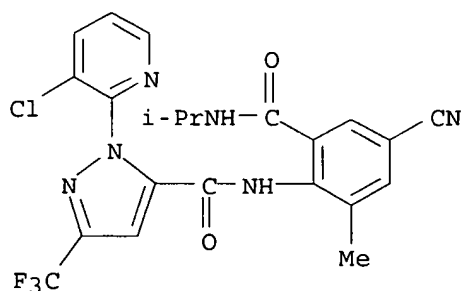
AB Synergistic fungicidal compns. comprise a pyrazole derivative I (R1 = difluoromethyl or trifluoromethyl; R2 = alkyl, alkoxyalkyl or haloalkyl) or a I tautomer and any of a very large number of known fungicides and/or insecticides.

IT 500011-03-0D, mixts. with pyrazole derivs. 736994-60-8D, mixts. with pyrazole derivs. 736994-61-9D, mixts. with pyrazole derivs. 736994-63-1D, mixts. with pyrazole derivs. 736994-81-3D, mixts. with pyrazole derivs. 736994-82-4D, mixts. with pyrazole derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal compns.)

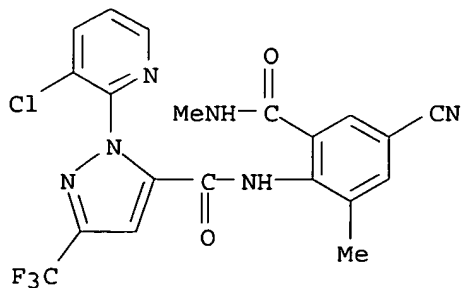
RN 500011-03-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[ (1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-60-8 CAPLUS

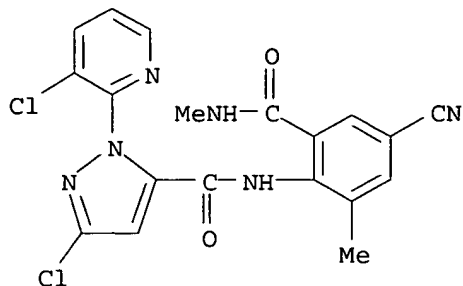
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



10/504,966

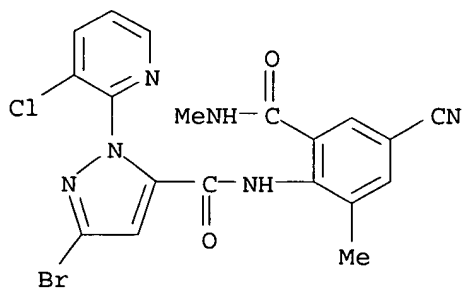
RN 736994-61-9 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



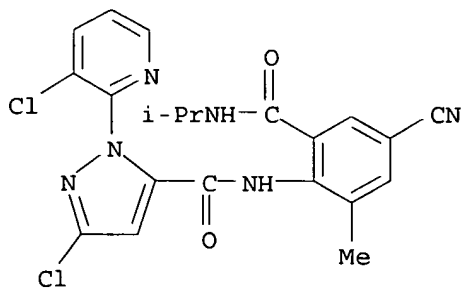
RN 736994-63-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



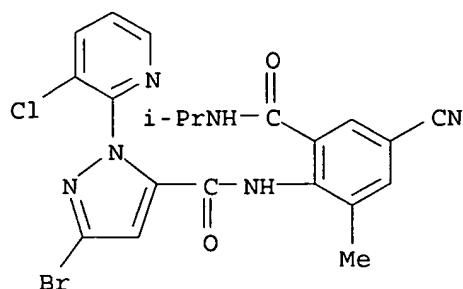
RN 736994-81-3 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-82-4 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:193331 CAPLUS  
 DOCUMENT NUMBER: 144:274265  
 TITLE: Preparation of novel anthranilamides useful for controlling invertebrate pests  
 INVENTOR(S): Lahm, George Philip  
 PATENT ASSIGNEE(S): E.I. DuPont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 87 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006023783	A1	20060302	WO 2005-US29639	20050817
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-602153P	P 20040817
			US 2005-643708P	P 20050113
OTHER SOURCE(S):			MARPAT 144:274265	
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title compds. I [Q = II-IV; R1 = X-Z-O-R11; X = O, S or NR12; Z = haloalkylene or haloalkenylene; R2 = H, alkyl, haloalkyl, etc.; R3 = H, alkyl, alkenyl, etc.; R4 = H, alkyl, alkenyl, etc.; R5 = OH, alkoxy, alkylamino, etc.; or NR4R5 = ring containing 2-6 carbon atoms and optionally one addnl. atom of N, S or O; R6, R7 = H, alkyl, alkenyl, etc.; W = N, CR2; V = N, CR13; Y = N, CR14; R11 = alkyl, alkenyl, cycloalkyl, etc.; R12 = H, alkyl; R13, R14 = H, alkyl, cycloalkyl, etc.; L = a direct bond or a

linking chain of one or more members selected from C, N, O, S, etc.; n = 1-4], were prepared and claimed. E.g., a multi-step synthesis of V, starting from 3-chloro-2-hydrazinopyridine and di-Et maleate, was given. Compound V resulted in at least 80% mortality when tested against fall armyworm (*Spodoptera frugiperda*). Also disclosed are compns. containing the compds. I and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biol. effective amount of a compound or a composition of the invention.

IT 877876-75-0P 877876-76-1P 877876-77-2P

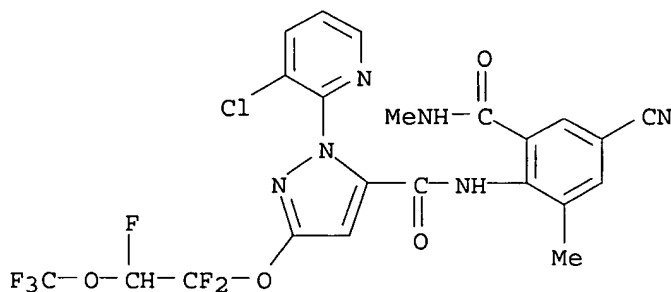
877876-78-3P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel anthranilamides useful for controlling invertebrate pests)

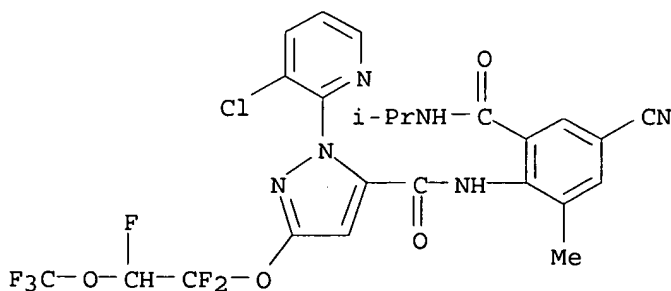
RN 877876-75-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (9CI) (CA INDEX NAME)



RN 877876-76-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[[4-cyano-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (9CI) (CA INDEX NAME)

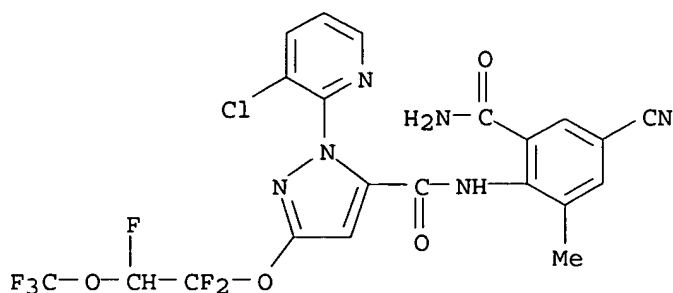


RN 877876-77-2 CAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (9CI) (CA INDEX NAME)

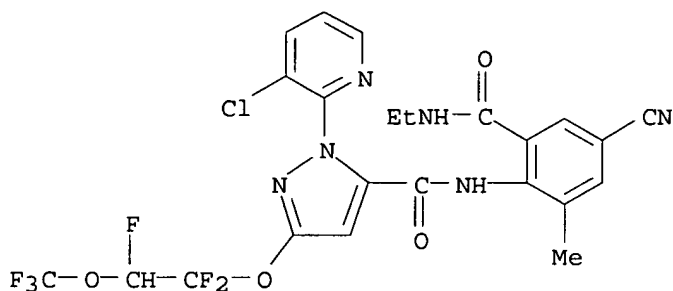


10/504,966



RN 877876-78-3 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:151202 CAPLUS

DOCUMENT NUMBER: 144:207363

TITLE: Synergistic fungicidal compositions comprising pyrazole derivatives

INVENTOR(S): Walter, Harald; Neuenschwander, Urs; Zeun, Ronald; Ehrenfreund, Josef; Tobler, Hans; Corsi, Camilla; Lamberth, Clemens

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.

SOURCE: PCT Int. Appl., 104 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006015865	A1	20060216	WO 2005-EP8748	20050811
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,			

10/504,966

CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

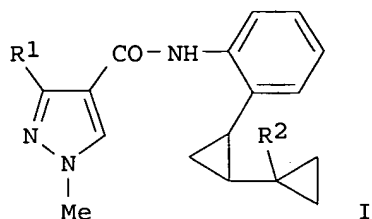
GB 2004-18047

A 20040812

OTHER SOURCE(S):

MARPAT 144:207363

GI



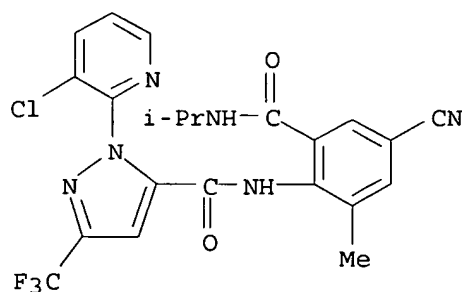
AB Synergistic fungicidal compns. comprise the pyrazole derivs. I (R1 = CF3 or CHF2; H or Me) or I tautomers and one of a very large number of known fungicides.

IT 500011-03-0D, mixts. with pyrazole derivs. 736994-60-8D, mixts. with pyrazole derivs. 736994-61-9D, mixts. with pyrazole derivs. 736994-63-1D, mixts. with pyrazole derivs. 736994-81-3D, mixts. with pyrazole derivs. 736994-82-4D, mixts. with pyrazole derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal compns.)

RN 500011-03-0 CAPLUS

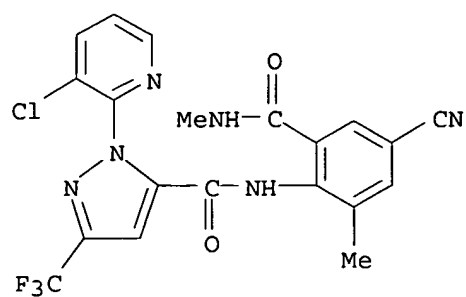
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-60-8 CAPLUS

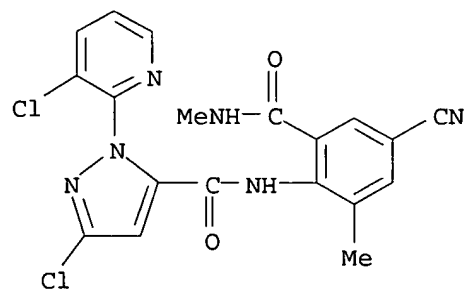
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/504,966



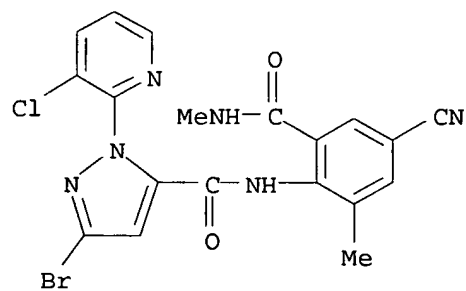
RN 736994-61-9 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-63-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

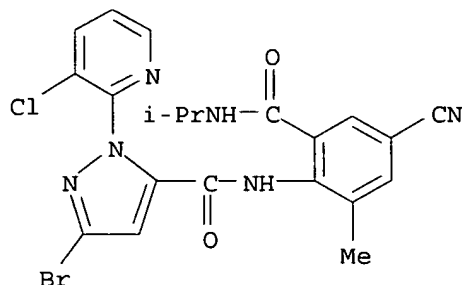


RN 736994-81-3 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

CC1=CC=C(C(=O)Nc2cc(Cl)nc2Nc3cc(Cl)nc3)C(=O)NCCc4ccccc4C5=CC=C(C#N)C=C5

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]]-(9CI) (CA INDEX NAME)



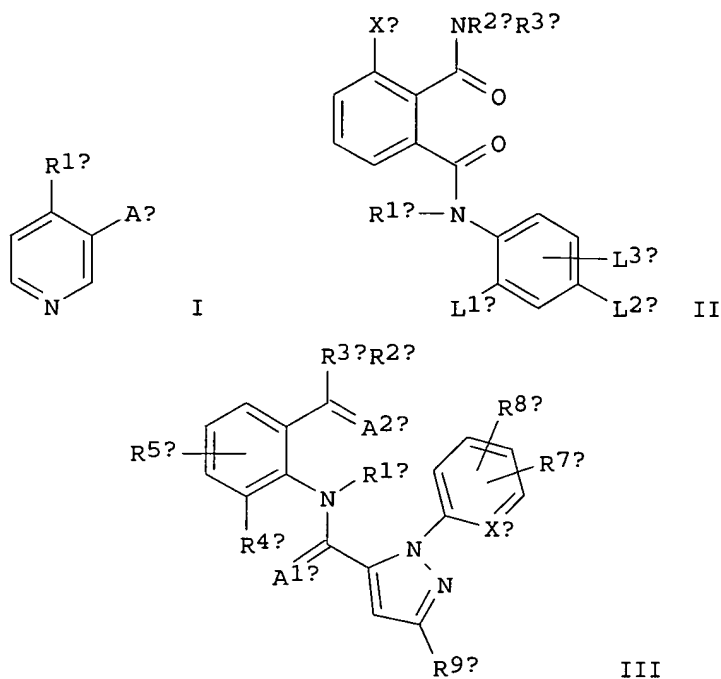
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006008108	A2	20060126	WO 2005-EP7791	20050718
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10/504,966

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM

DE 102004035134 A1 20060216 DE 2004-102004035134 20040720  
PRIORITY APPLN. INFO.: DE 2004-102004035134A 20040720  
OTHER SOURCE(S): MARPAT 144:144759  
GI



AB The title insecticide and acaricide combinations comprise: (a) (1) at least one haloalkylpyridine derivative I [AA = haloalkyl; AA = heterocyclyl, C(:WA)N3AR2A, etc; WA = O or S; R2A, R3A = H, OH, oximinoalkyl, hydrazonoalkyl, etc.; R3ANR2A = ring] or (2) at least one phthalic acid diamine II [XB = halo, cyano, (halo)alkyl, etc.; R1B, R2B, R3B, = H, cyano, (halo)cycloalkyl, etc.; L1B, L3B = H, halo, cyano, (un)substituted alkyl, Ph, PhO, heteraryloxy, etc.; L2B = H, halo, cyano, (un)substituted alkyl, etc.] or (3) at least one anthranilic acid amide III [XC = N or CR10C; R10C = H, (halo)alkyl, halo, cyano or haloalkoxy; A1C, A2C = O or S; R1C = H, (un)substituted alkyl, etc.; R2C = H, alkyl, alkenyl, alkynyl, etc.; R3C = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R4C = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, etc.; R5C, R8C = H, halo, (un)substituted (halo)alkyl, etc.; R7C = H, halo, (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfonyl, etc.; R9C = halo, haloalkyl, haloalkoxy, etc.] and (b) at least one compound that improves crop plant tolerance, especially cloquintocet-mexyl, isoxadifen-Et, and mefenpyr-diethyl.

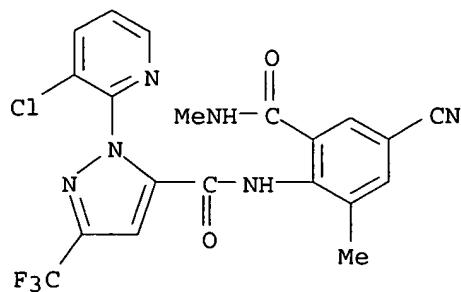
IT 736994-60-8D, mixts. with safeners 736994-63-1D, mixts. with safeners

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(selective and synergistic insecticide and acaricide compns.)

RN 736994-60-8 CAPLUS

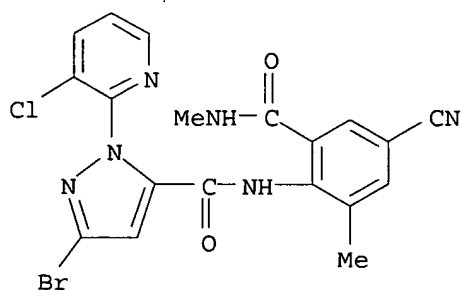
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-((methylamino)carbonyl)phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/504,966



RN 736994-63-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1215917 CAPLUS

DOCUMENT NUMBER: 143:454399

TITLE: Pesticidal mixtures comprising an antranilamide derivative

INVENTOR(S): Angst, Max; Dutton, Ana Cristina

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 379 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005107468	A1	20051117	WO 2005-EP5058	20050510
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2005274059	A1	20051215	US 2005-184453	20050719

10/504,966

PRIORITY APPLN. INFO.:

CH 2004-834

A 20040510

WO 2005-EP5058

A2 20050510

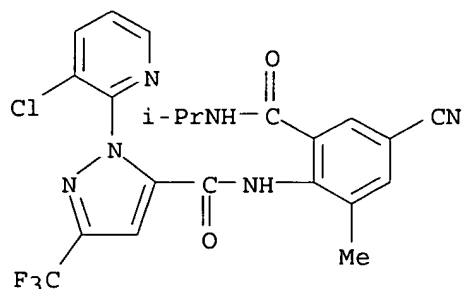
AB The invention relates to a pesticidal composition comprising an antranilamide derivative and any og a very large number of known pesticides.

IT 500011-03-0D, mixts. containing 736994-60-8D, mixts. containing 736994-61-9D, mixts. containing 736994-63-1D, mixts. containing 736994-81-3D, mixts. containing 736994-82-4D, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(pesticidal compns.)

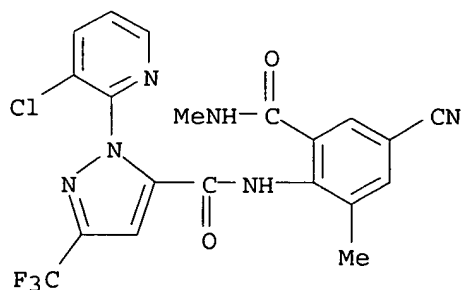
RN 500011-03-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[ (1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



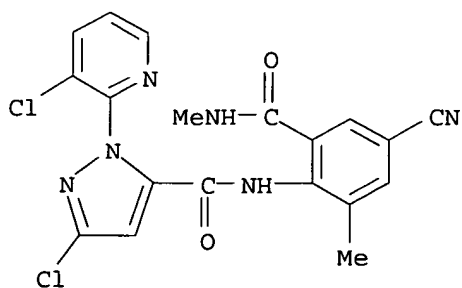
RN 736994-60-8 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-61-9 CAPLUS

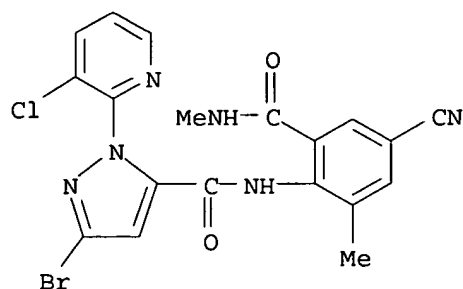
CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-63-1 CAPLUS

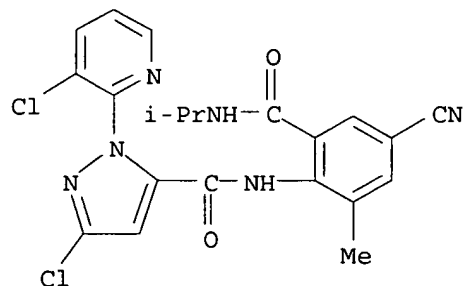
10/504,966

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



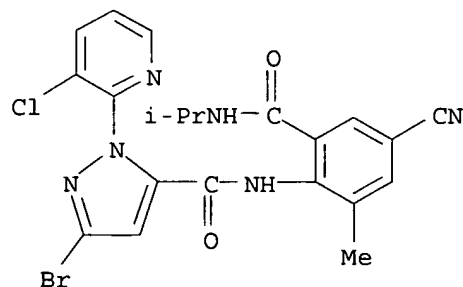
RN 736994-81-3 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-82-4 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1001884 CAPLUS

DOCUMENT NUMBER: 143:281039

TITLE: Oil-based pesticide suspension concentrates

INVENTOR(S): Baur, Peter; Fischer, Reiner; Vermeer, Ronald

PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent



10/504,966

LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005084435	A2	20050915	WO 2005-EP2285	20050304
WO 2005084435	A3	20051124		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

DE 102004011007 A1 20050922 DE 2004-102004011007 20040306

PRIORITY APPLN. INFO.: DE 2004-102004011007A 20040306

OTHER SOURCE(S): MARPAT 143:281039

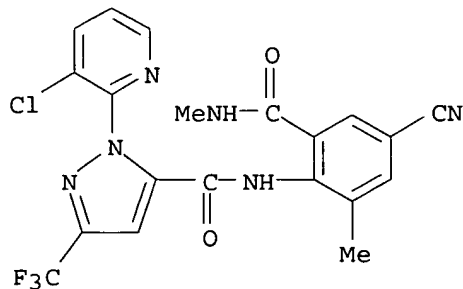
AB The invention relates to oil-based suspension concs. consisting of at least one agrochem. ingredient that is solid at room temperature, at least one "closed" penetration promoter, at least one vegetable oil or mineral oil, at least one nonionic surfactant and/or at least one anionic surfactant, and optionally at least one additive from the group of emulsifiers, foam-inhibiting agents, preservatives, antioxidants, dyes and/or inert filler materials. The penetration promoter is an alc. ethoxylate or related compound

IT **736994-60-8 736994-63-1**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(oil-based pesticide suspension concs.)

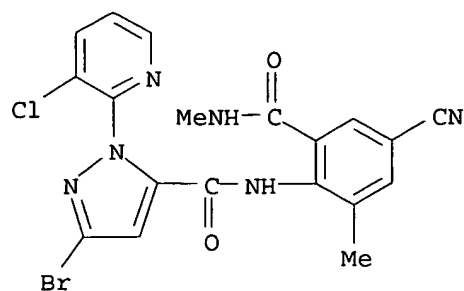
RN 736994-60-8 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-63-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:648522 CAPLUS

DOCUMENT NUMBER: 141:190786

TITLE: Preparation of cyano anthranilamide insecticides

INVENTOR(S): Hughes, Kenneth Andrew; Lahm, George Philip; Selby, Thomas Paul; Stevenson, Thomas Martin

PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA

SOURCE: PCT Int. Appl., 63 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

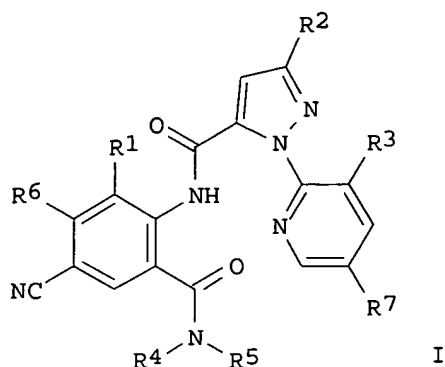
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004067528	A1	20040812	WO 2004-US3568	20040121
WO 2004067528	B1	20041007		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004207848	A1	20040812	AU 2004-207848	20040121
CA 2512242	AA	20040812	CA 2004-2512242	20040121
EP 1599463	A1	20051130	EP 2004-704148	20040121
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
MD 2005000219	A	20051130	MD 2005-219	20040121
BR 2004006709	A	20051220	BR 2004-6709	20040121
JP 3764895	B1	20060412	JP 2005-518229	20040121
JP 2006515602	T2	20060601		
JP 2006028159	A2	20060202	JP 2005-148184	20050520
JP 3770500	B2	20060426		
US 2006111403	A1	20060525	US 2005-540966	20050629
PRIORITY APPLN. INFO.:			US 2003-443256P	P 20030128
			JP 2005-518229	A3 20040121
			WO 2004-US3568	W 20040121

OTHER SOURCE(S): MARPAT 141:190786

GI



AB The title compds. [I; R1 = Me, Cl, Br, F; R2 = F, Cl, Br, haloalkyl or haloalkoxy; R3 = F, Cl, Br; R4 = H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, each optionally substituted with one substituent selected from the group consisting of halo, CN, SMe S(O)Me, S(O)2Me and OMe; R5 = H, Me; R6 = H, F, Cl; R7 = H, F, Cl], useful for controlling an invertebrate pest, were prepared. E.g., a multi-step synthesis of compound I [R1 = Me; R2 = CF3; R3 = Cl; R4, R5 = H], was given. The compds. I were tested in various biol. tests (data given). This invention also pertains to a composition for controlling an invertebrate pest comprising a biol. effective amount of a compound I, an N-oxide thereof or a suitable salt of the compound I and at least one addnl. component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent.

IT 500011-03-0P 736994-59-5P 736994-60-8P  
 736994-61-9P 736994-62-0P 736994-63-1P  
 736994-64-2P 736994-65-3P 736994-66-4P  
 736994-67-5P 736994-68-6P 736994-69-7P  
 736994-70-0P 736994-71-1P 736994-72-2P  
 736994-73-3P 736994-74-4P 736994-75-5P  
 736994-76-6P 736994-77-7P 736994-78-8P  
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10/504,966

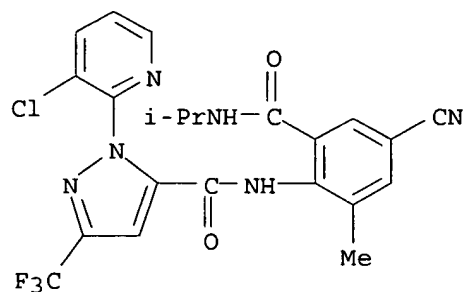
**736995-57-6P 736995-58-7P 736995-59-8P**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of cyano anthranilamide insecticides)

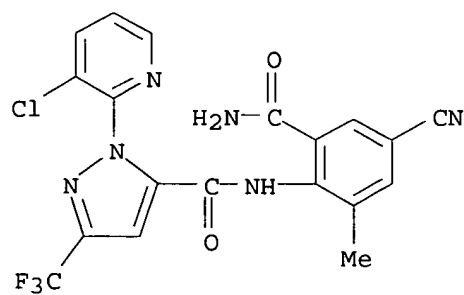
RN 500011-03-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[1-methylethylamino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



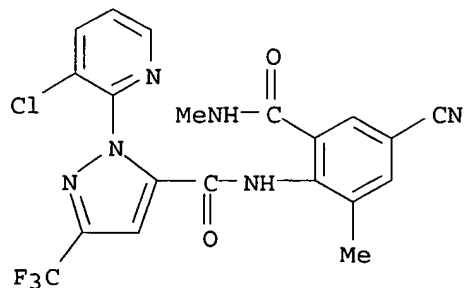
RN 736994-59-5 CAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-60-8 CAPLUS

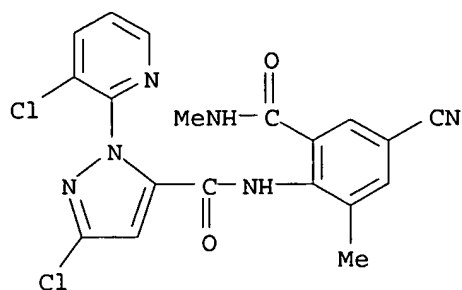
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-61-9 CAPLUS

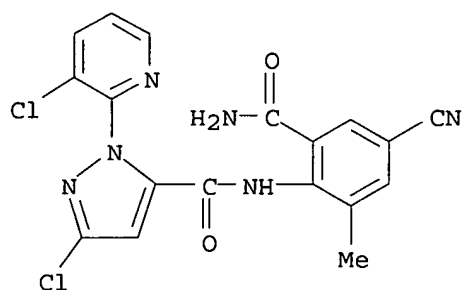
CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

10/504,966



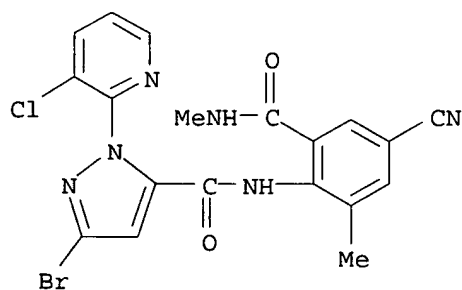
RN 736994-62-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



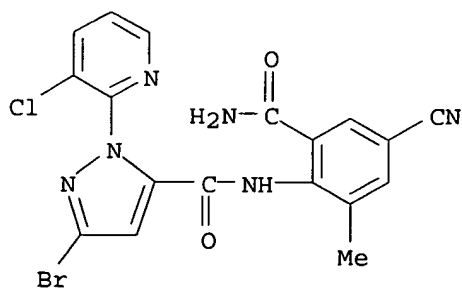
RN 736994-63-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-64-2 CAPLUS

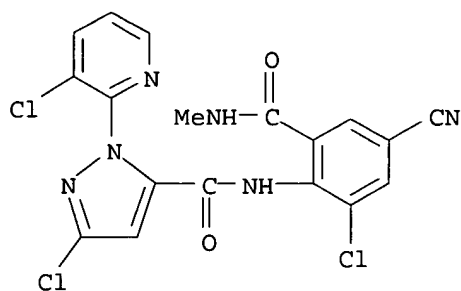
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



10/504,966

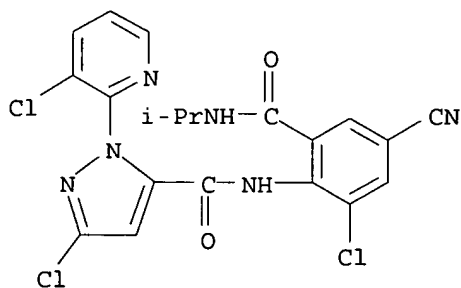
RN 736994-65-3 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[2-chloro-4-cyano-6-  
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NAME)



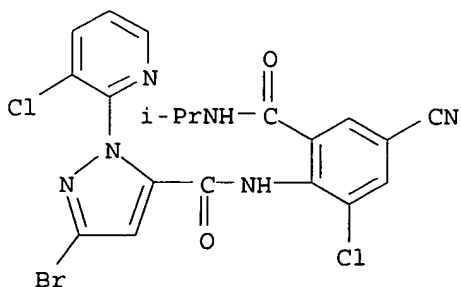
RN 736994-66-4 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[2-chloro-4-cyano-6-[[1-  
methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)



RN 736994-67-5 CAPLUS

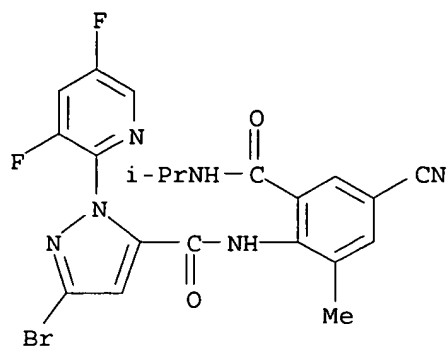
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-chloro-4-cyano-6-[[1-  
methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)



RN 736994-68-6 CAPLUS

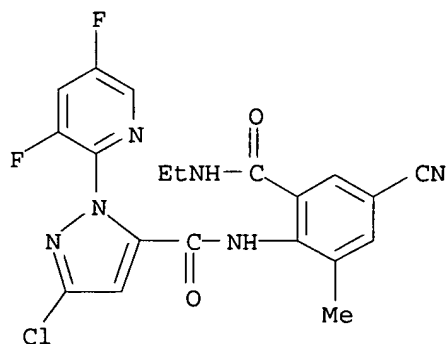
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-chloro-4-cyano-6-[[methyl(1-  
methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)

10/504,966



RN 736995-59-8 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:453202 CAPLUS

DOCUMENT NUMBER: 141:23526

TITLE: Novel pyrazole-based anthranilamide insecticides and their preparation, compositions, and use

INVENTOR(S): Hughes, Kenneth Andrew; Lahm, George Philip; Selby, Thomas Paul

PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA

SOURCE: PCT Int. Appl., 96 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

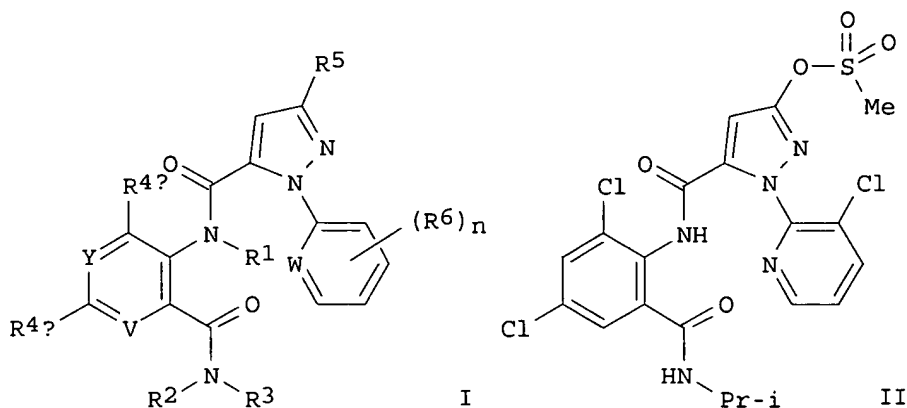
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004046129	A2	20040603	WO 2003-US36167	20031112
WO 2004046129	A3	20040715		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,			

FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2003295491 A1 20040615 AU 2003-295491 20031112  
 EP 1560820 A2 20050810 EP 2003-786682 20031112  
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 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 BR 2003015714 A 20050906 BR 2003-15714 20031112  
 JP 2006514632 T2 20060511 JP 2004-553598 20031112  
 US 2006014808 A1 20060119 US 2005-529612 20050330  
 PRIORITY APPLN. INFO.: US 2002-426693P P 20021115  
 WO 2003-US36167 W 20031112  
 OTHER SOURCE(S): MARPAT 141:23526  
 GI

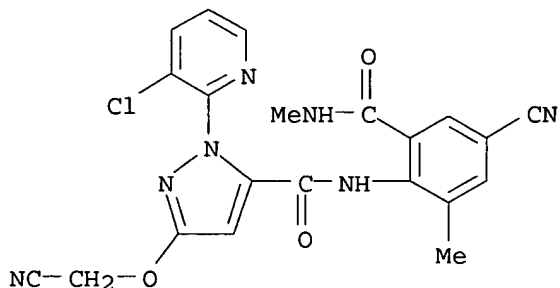


AB The invention provides title compds. I and their N-oxides and suitable salts [wherein: Y, V = N or CR4a; W = N, CH, or CR6; R1 = H, (un)substituted alkyl, alkenyl, alkynyl or cycloalkyl, alkylcarbonyl, alkoxy carbonyl, (di)alkylaminocarbonyl; R2 = H, alkyl, alkenyl, alkynyl, cycloalkyl, alkoxy, (di)alkylamino, cycloalkylamino, alkoxy carbonyl, or alkylcarbonyl; R3 = H, G, (un)substituted alkyl, alkenyl, alkynyl or cycloalkyl; or NR2R3 = (un)substituted heterocyclic (N/O/S) ring; G = (un)substituted 5- or 6-membered non-aromatic carbo- or heterocyclic ring; R4a, R4b = H, various carbon and heteroat. substituents; R5 = alk(en/yn)yl, various derivs. of OH, SH, and NH2; R6 = (halo)alk(en/yn)yl, OH and derivs. or thio analogs, halo, cyano, CO2H, (di)alkylamino, (un)substituted Ph, PhCH2, PhCO, PhO, etc.; n = 0-4]. The invention also pertains to compns. for controlling invertebrate pests, comprising a biol. effective amount of I, their N-oxides, or their agronomically or nonagronomically suitable salts, and at least one addnl. component selected from surfactants, solid diluents, and liquid diluents, and optionally further comprising an effective amount of at least one addnl. biol. active compound or agent. Also disclosed are methods for controlling invertebrate pests by contact of the pests or their environment with said compds. Eighteen compds. I were prepared and tested. For instance, 3-chloro-2-hydrazinopyridine was cyclocondensed with di-Et maleate to give 55% Et 1-(3-chloro-2-pyridinyl)-3-pyrazolidinone-5-carboxylate, which was oxidized to a dihydropyrazolone, saponified to an acid, cyclized with dichloroanthranilic acid to give a benzoxazinone, O-mesylated at the pyrazolone, and ring-opened with MeNH2, to give invention compound II. In a test of larval *Plutella xylostella* on radish plants, II at 50 ppm (spray) reduced feeding damage by 80% or more. Compds. I were also effective against *Spodoptera frugiperda*, *Myzus persicae*, and *Empoasca fabae*.



10/504,966

IT **697799-64-7P**, 1-(3-Chloro-2-pyridinyl)-N-[2-methyl-4-cyano-6-  
[(methylamino)carbonyl]phenyl]-3-(cyanomethoxy)-1H-pyrazole-5-carboxamide  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(insecticide; preparation of novel pyrazole-based anthranilamide  
insecticides)  
RN 697799-64-7 CAPLUS  
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-3-(cyanomethoxy)-N-[4-  
cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

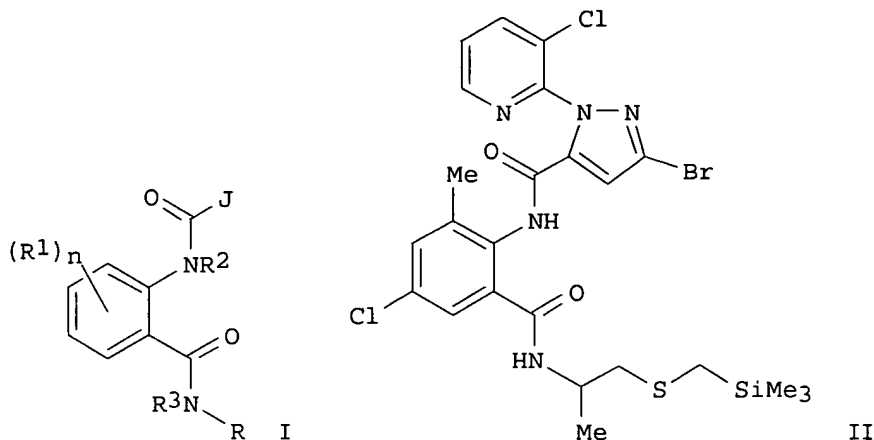


L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:333726 CAPLUS  
DOCUMENT NUMBER: 140:339324  
TITLE: Preparation of anthranilamide derivatives for  
controlling invertebrate pests  
INVENTOR(S): Lahm, George Philip; Selby, Thomas Paul; Stevenson,  
Thomas Martin  
PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA  
SOURCE: PCT Int. Appl., 58 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004033468	A1	20040422	WO 2003-US31677	20031001
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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AU 2003282711	A1	20040504	AU 2003-282711	20031001
EP 1546160	A1	20050629	EP 2003-774596	20031001
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003014497	A	20050802	BR 2003-14497	20031001
JP 2006502226	T2	20060119	JP 2004-543434	20031001
US 2006052343	A1	20060309	US 2005-527863	20050316
PRIORITY APPLN. INFO.:			US 2002-416364P	P 20021004
			WO 2003-US31677	W 20031001

OTHER SOURCE(S):  
GI

MARPAT 140:339324



AB Title compds. I [wherein R = -U-A-V-B; U, V = independently (un)substituted alkylene; A = O, S(O)<sub>m</sub>, m = 0-2; B = trisubstituted silyl; J = (un)substituted Ph, pyrazolyl, pyrrolyl, pyridinyl, pyrimidinyl; R<sub>1</sub> = independently (cyclo)alkyl, alkenyl, alkynyl, haloalkylsulfinyl, benzyl, etc.; R<sub>2</sub> = H, (un)substituted (cyclo)alkyl, alkynyl, alkylaminocarbonyl, etc.; R<sub>3</sub> = H, (cyclo)alkyl, alkenyl, alkynyl, alkoxy, (di)alkylamino, etc.; n = 0-4; and N-oxides or suitable salts thereof] were prepared as insecticides for controlling invertebrate pests. For example, reaction of 3-chloro-2(1H)-pyridinone hydrazone with di-Et maleate (55%), followed by bromination with phosphorus oxybromide (95%), gave Et 3-bromo-1-(3-chloro-2-pyridinyl)-4,5-dihydro-1H-pyrazole-5-carboxylate. Oxidation of the ester (90%) and hydrolysis (91%), afforded 3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxylic acid. Reaction of the acid with methanesulfonyl chloride and 2-amino-3-methyl-5-chlorobenzoic acid (96%), followed by amidation with [1-[(trimethylsilylmethyl)thio]propan-2-yl]amine, provided II. The prepared I showed very good to excellent levels of plant protection (20% or less feeding damage) against diamondback moth and fall armyworm. This invention also pertains to a composition comprising at least one compound I and at least one addnl. component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent.

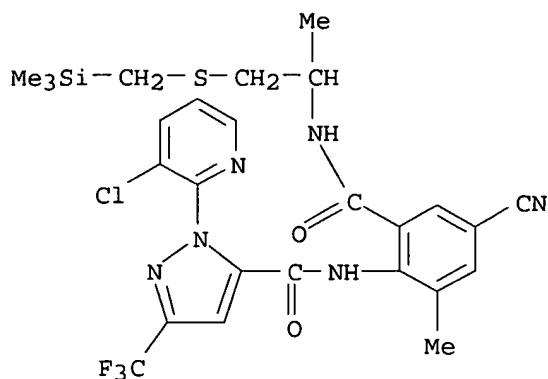
IT **681123-96-6P**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of anthranilamide derivs. for controlling invertebrate pests)

RN 681123-96-6 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-2-[[[(trimethylsilyl)methyl]thio]ethyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:242097 CAPLUS

DOCUMENT NUMBER: 138:267201

TITLE: Pesticidal compositions for coating plant propagation material containing anthranilamides

INVENTOR(S): Berger, Richard Alan; Flexner, John Lindsey

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA

SOURCE: PCT Int. Appl., 147 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

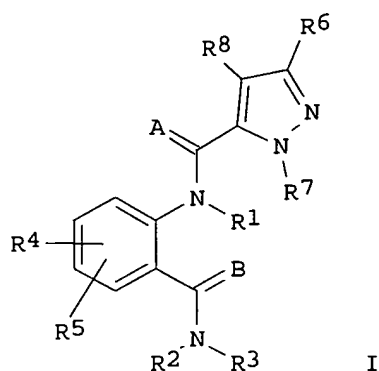
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024222	A1	20030327	WO 2002-US30302	20020910
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2458163	AA	20030327	CA 2002-2458163	20020910
EP 1427285	A1	20040616	EP 2002-775972	20020910
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002012993	A	20040817	BR 2002-12993	20020910
JP 2005502716	T2	20050127	JP 2003-528126	20020910
JP 3770495	B2	20060426		
NZ 532269	A	20051028	NZ 2002-532269	20020910
CN 1713819	A	20051228	CN 2002-818578	20020910
ZA 2004000413	A	20050120	ZA 2004-413	20040120
US 2004209923	A1	20041021	US 2004-485125	20040126
PRIORITY APPLN. INFO.:			US 2001-323941P	P 20010921
			WO 2002-US30302	W 20020910

OTHER SOURCE(S): MARPAT 138:267201

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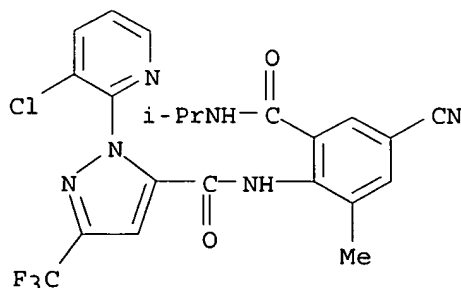
AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an anthranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodicidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corm, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.

IT 500011-03-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(anthranilamide compds. as pesticides for plant propagation material)

RN 500011-03-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:154154 CAPLUS

DOCUMENT NUMBER: 138:200331

TITLE: Method for controlling particular insect pests by applying anthranilamide compounds

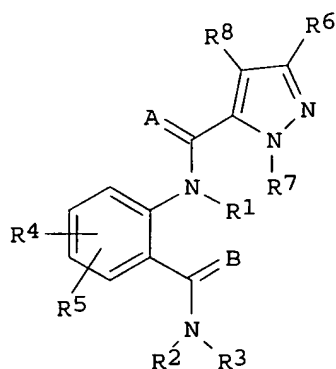
INVENTOR(S): Lahm, George Philip; McCann, Stephen Frederick; Patel, Kanu Maganbhai; Selby, Thomas Paul; Stevenson, Thomas

10/504,966

PATENT ASSIGNEE(S): Martin  
SOURCE: E. I. Du Pont de Nemours & Co., USA  
PCT Int. Appl., 150 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 4  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003015518	A1	20030227	WO 2002-US25613	20020813
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2454302	AA	20030227	CA 2002-2454302	20020813
EP 1416796	A1	20040512	EP 2002-752809	20020813
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
BR 2002012187	A	20041005	BR 2002-12187	20020813
CN 1541063	A	20041027	CN 2002-815930	20020813
JP 2004538327	T2	20041224	JP 2003-520289	20020813
JP 3689817	B2	20050831		
ZA 2004000033	A	20050803	ZA 2004-33	20020813
ZA 2004000034	A	20050803	ZA 2004-34	20020813
RU 2262231	C1	20051020	RU 2004-107513	20020813
ZA 2003009911	A	20050311	ZA 2003-9911	20031222
US 2005075372	A1	20050407	US 2004-483115	20040107
JP 2005041880	A2	20050217	JP 2004-258923	20040906
PRIORITY APPLN. INFO.:			US 2001-311919P	P 20010813
			US 2001-324173P	P 20010921
			US 2001-324128P	P 20010921
			US 2002-369661P	P 20020402
			JP 2003-520290	A3 20020813
			WO 2002-US25613	W 20020813

OTHER SOURCE(S): MARPAT 138:200331  
GI



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AB Anthranilamide compds. I (Markush included), N-oxides or an agriculturally suitable salts thereof are prepared as insecticides for controlling lepidopteran, homopteran, hemipteran, thysanopteran and coleopteran insect pests. Insecticidal composition containing anthranilamide compds. I may further

comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics.

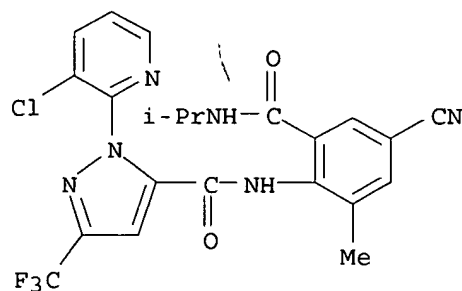
IT 500011-03-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as insecticides)

RN 500011-03-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methylethyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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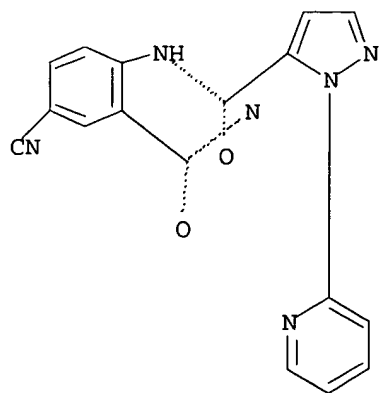
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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L1 STR



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Structure attributes must be viewed using STN Express query preparation.

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L5 4 SEA L3

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L5 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2006:131761 USPATFULL

TITLE: Cyano anthranilamide insecticides

INVENTOR(S): Hughes, Kenneth Andrew, Eikton, MD, UNITED STATES  
Lahm, George Philip, Wilmington, DE, UNITED STATES  
Selby, Thomas Paul, Wilmington, DE, UNITED STATES  
Stevenson, Thomas Martin, Newark, DE, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006111403	A1	20060525
APPLICATION INFO.:	US 2004-540966	A1	20040121 (10)
	WO 2004-US3568		20040121
			20050629 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-443256P	20030128 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Linda D Birch, E I Du Pont De Nemours and Company, Legal Patent, Wilmington, DE, 19805, US	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2585	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides compounds of Formula (I), N-oxides and suitable salts thereof INSERT FORMULA I HERE wherein R<sup>sup.1</sup> is Me, Cl, Br or F; R<sup>sup.2</sup> is F, Cl, Br, C<sub>sub.1</sub>-C<sub>sub.4</sub> haloalkyl or C<sub>sub.1</sub>-C<sub>sub.4</sub> haloalkoxy; R<sup>sup.3</sup> is F, Cl or Br; R<sup>sup.4</sup> is H or C<sub>sub.1</sub>-C<sub>sub.4</sub> alkyl, C<sub>sub.3</sub>-C<sub>sub.4</sub> alkenyl, C<sub>sub.3</sub>-C<sub>sub.4</sub> alkynyl, C<sub>sub.3</sub>-C<sub>sub.5</sub> cycloalkyl, or C<sub>sub.4</sub>-C<sub>sub.6</sub> cycloalkylalkyl, each optionally substituted with one substituent selected from the group consisting of halogen, CN, SMe S(O)Me, S(O)<sub>sub.2</sub>Me and OMe; R<sup>sup.5</sup> is H or Me; R<sup>sup.6</sup> is H, F or Cl; and R<sup>sup.7</sup> is H, F or Cl. Also disclosed are methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound of Formula (I), an N-oxide thereof or a suitable salt of the compound (e.g., as a composition described herein). This invention also pertains to a composition for controlling an invertebrate pest comprising a biologically effective amount of a compound of Formula (I), an N-oxide thereof or a suitable salt of the compound and at least one additional component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

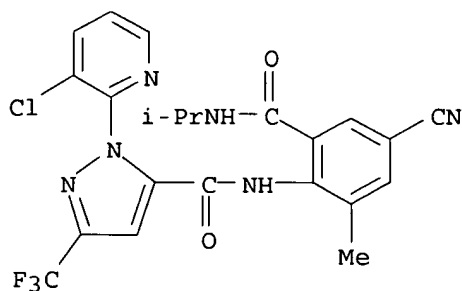
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(preparation of cyano anthranilamide insecticides)

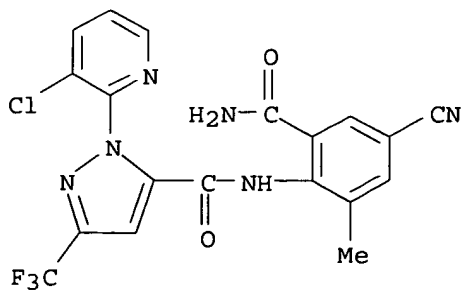
RN 500011-03-0 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-  
 [[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA  
 INDEX NAME)



RN 736994-59-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-1-  
 (3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

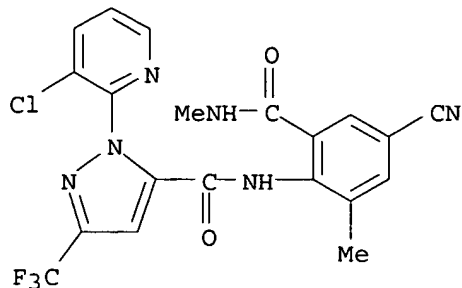




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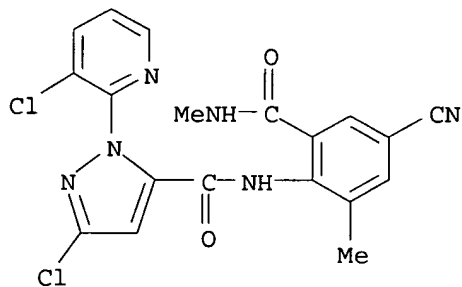
RN 736994-60-8 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



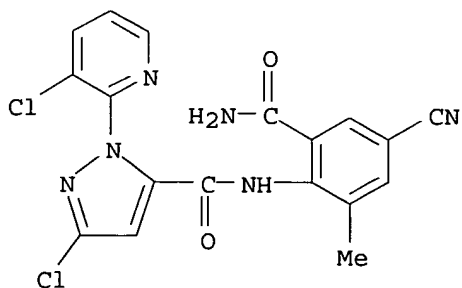
RN 736994-61-9 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-62-0 USPATFULL

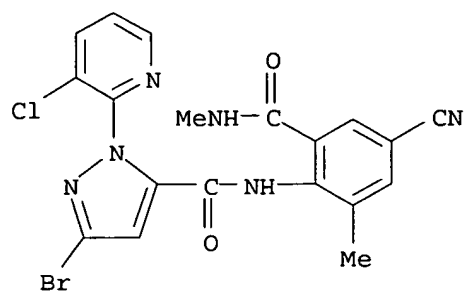
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-63-1 USPATFULL

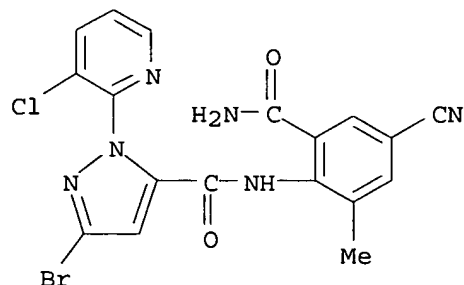
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

10/504,966



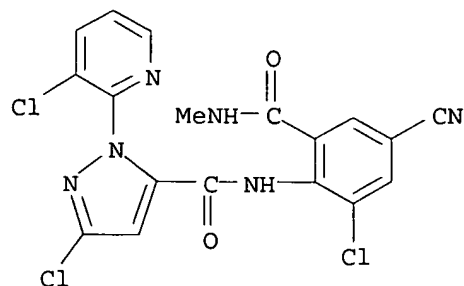
RN 736994-64-2 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-65-3 USPATFULL

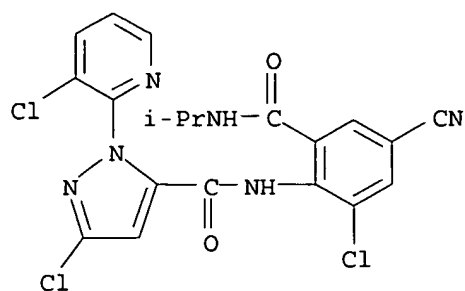
CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[2-chloro-4-cyano-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-66-4 USPATFULL

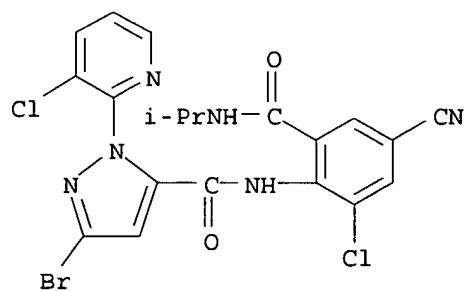
CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[2-chloro-4-cyano-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)

10/504,966



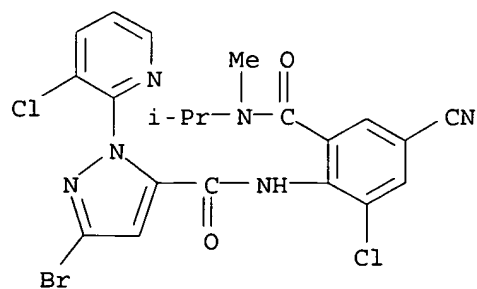
RN 736994-67-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-chloro-4-cyano-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-68-6 USPATFULL

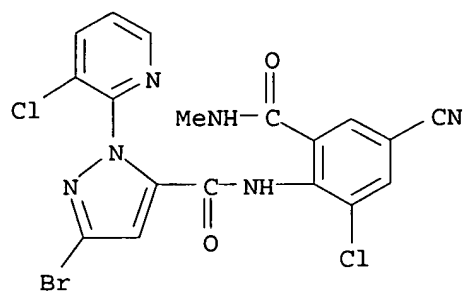
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-chloro-4-cyano-6-[[methyl(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-69-7 USPATFULL

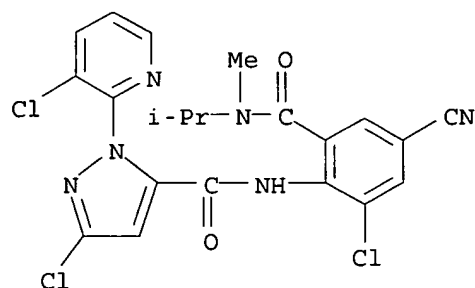
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-chloro-4-cyano-6-[[methylamino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)

10/504,966



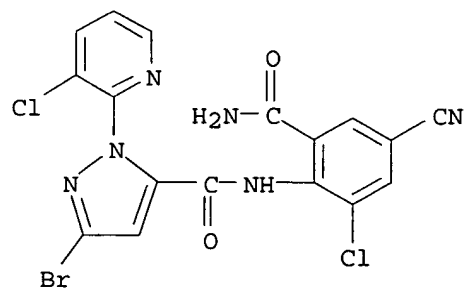
RN 736994-70-0 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[2-chloro-4-cyano-6-[[methyl(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-71-1 USPATFULL

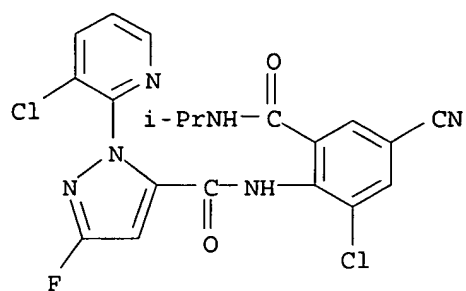
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-6-chloro-4-cyanophenyl]-3-bromo-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-72-2 USPATFULL

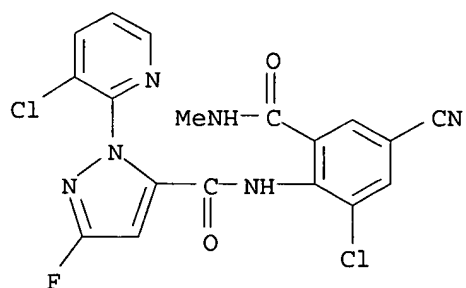
CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-cyano-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (9CI) (CA INDEX NAME)

10/504,966



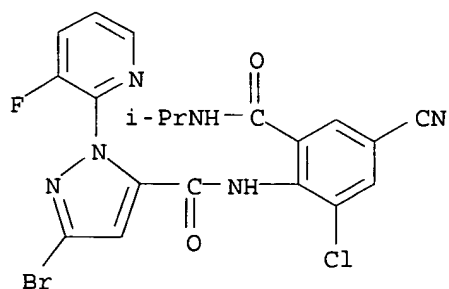
RN 736994-73-3 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-cyano-6-  
[(methylethylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (9CI)  
(CA INDEX NAME)



RN 736994-74-4 USPATFULL

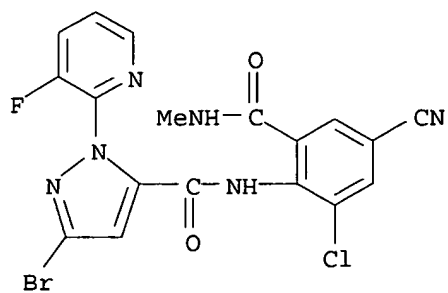
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-chloro-4-cyano-6-[[1-  
methylethylamino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)



RN 736994-75-5 USPATFULL

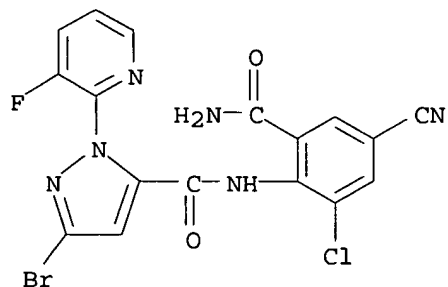
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-chloro-4-cyano-6-  
[(methylethylamino)carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)

10/504,966



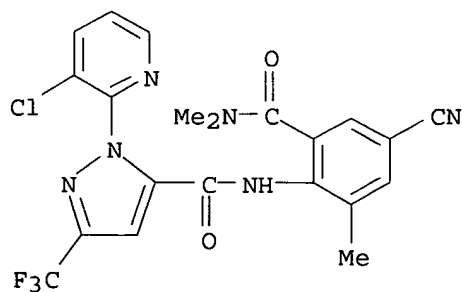
RN 736994-76-6 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-6-chloro-4-cyanophenyl]-3-bromo-1-(3-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736994-77-7 USPATFULL

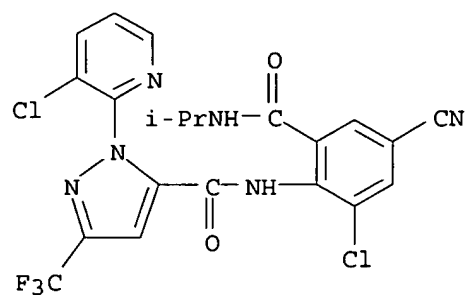
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(dimethylamino)carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-78-8 USPATFULL

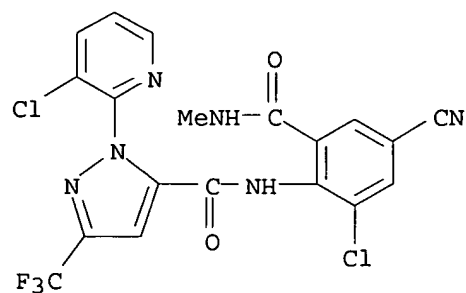
CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-cyano-6-[[1-methylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/504,966



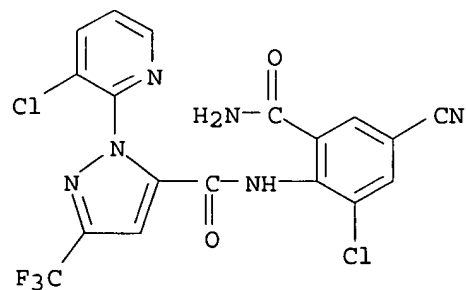
RN 736994-79-9 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-cyano-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-80-2 USPATFULL

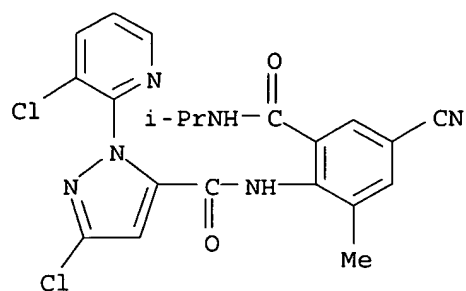
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-6-chloro-4-cyanophenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-81-3 USPATFULL

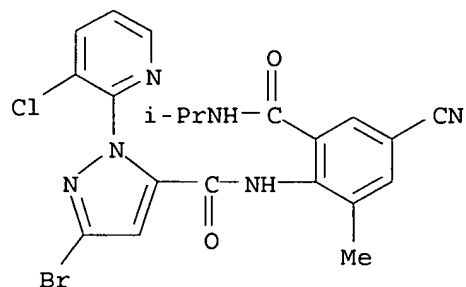
CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

10/504,966



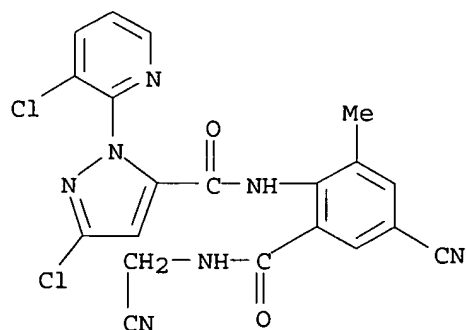
RN 736994-82-4 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736994-83-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[[(cyanomethyl)amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

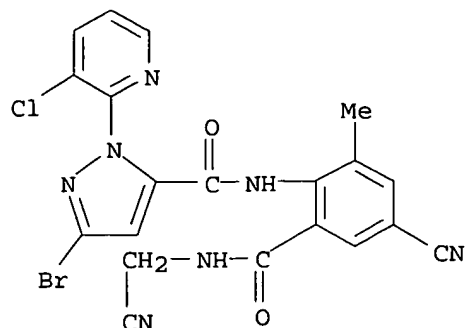


RN 736994-84-6 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[[(cyanomethyl)amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

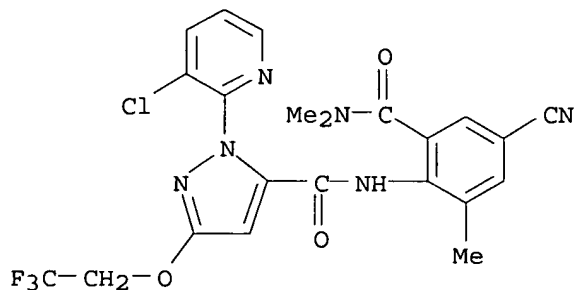


10/504,966



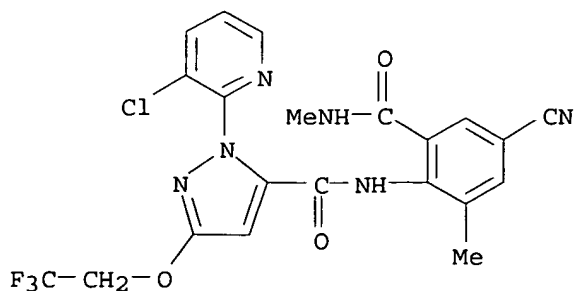
RN 736994-85-7 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(dimethylamino)carbonyl]-6-methylphenyl]-3-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



RN 736994-86-8 USPATFULL

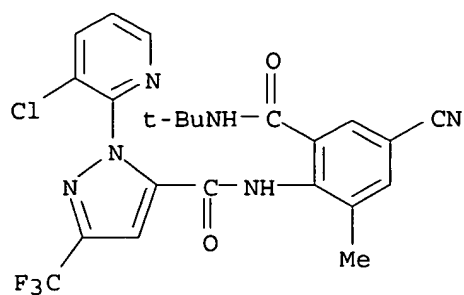
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



RN 736994-87-9 USPATFULL

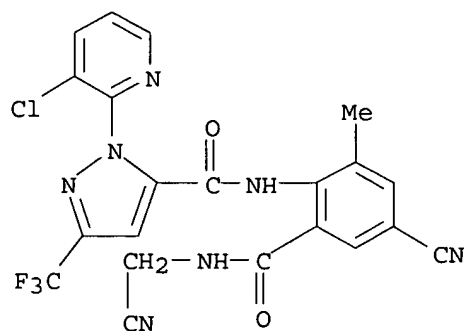
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/504,966



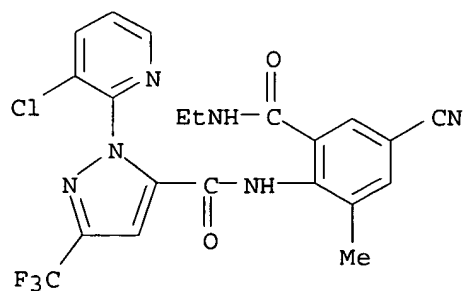
RN 736994-88-0 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[ (cyanomethyl) amino] carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-89-1 USPATFULL

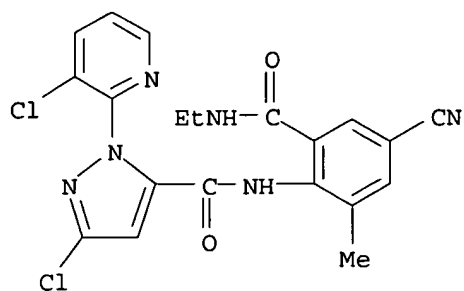
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-90-4 USPATFULL

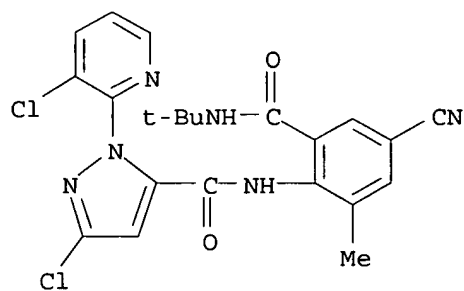
CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

10/504,966



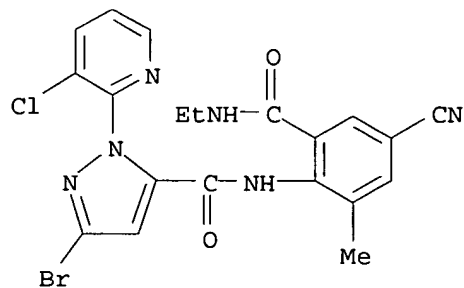
RN 736994-91-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[ (1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736994-92-6 USPATFULL

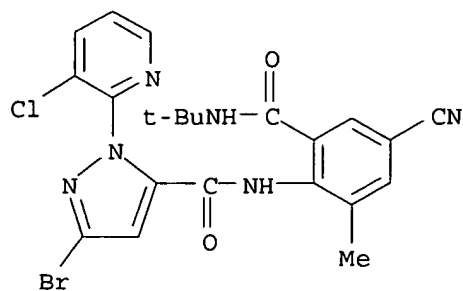
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736994-93-7 USPATFULL

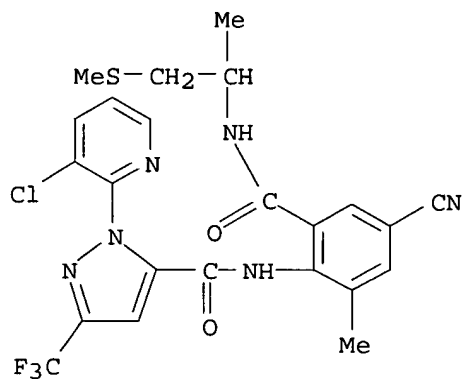
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[ (1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

10/504,966



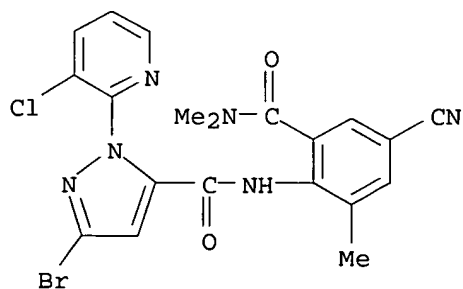
RN 736994-94-8 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-2-(methylthio)ethyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736994-95-9 USPATFULL

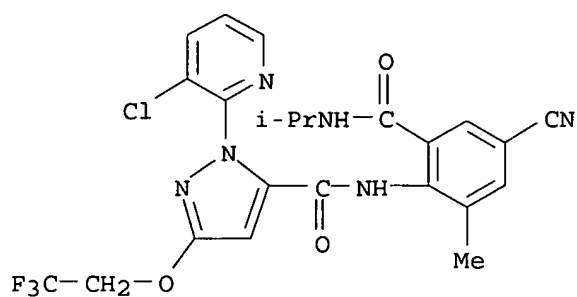
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[dimethylamino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736994-96-0 USPATFULL

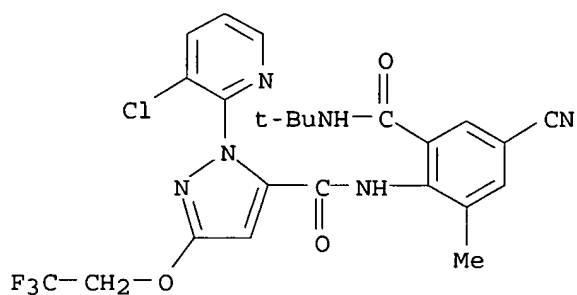
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methylethyl]amino]carbonyl]phenyl]-3-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)

10/504,966



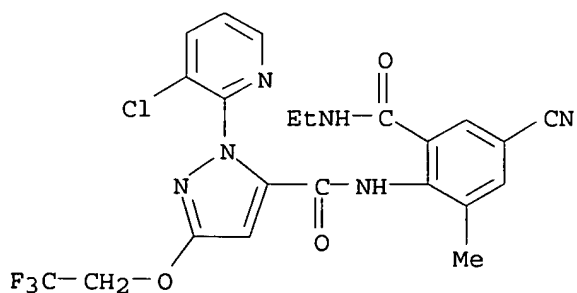
RN 736994-97-1 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-3-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



RN 736994-98-2 USPATFULL

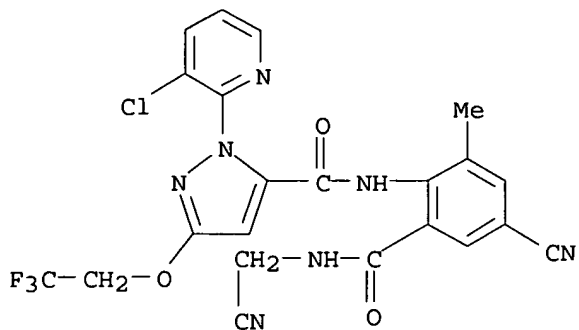
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-3-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



RN 736994-99-3 USPATFULL

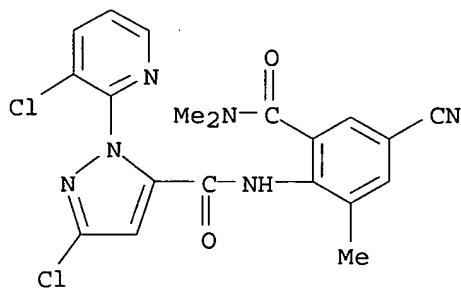
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(cyanomethyl)amino]carbonyl]-6-methylphenyl]-3-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)

10/504,966



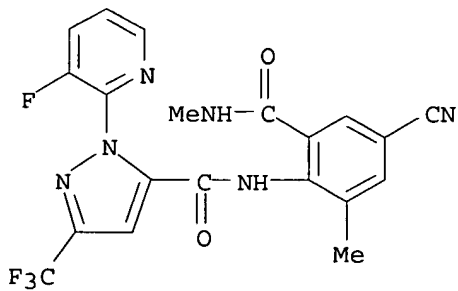
RN 736995-00-9 USPATFULL

1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-  
[(dimethylamino)carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736995-01-0 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[4-cyano-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)-3-  
(trifluoromethyl)- (9CI) (CA INDEX NAME)

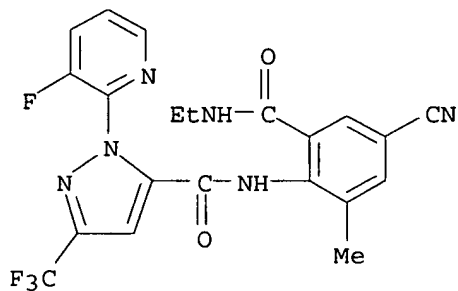


RN 736995-02-1 USPATFULL

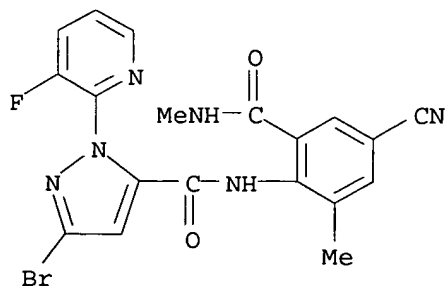
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Cc1cc(C#N)cc(C(=O)Nc2cc(C(F)(F)F)n2)c1C(=O)Nc3cc(F)cnc3

CN	1H-Pyrazole-5-carboxamide, N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)
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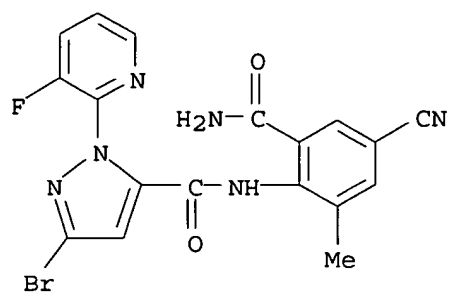


CN	1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-methyl-6- [(methylamino)carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)
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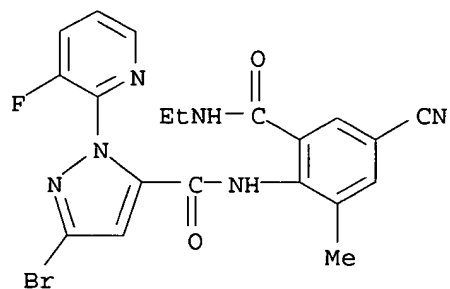
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-bromo-1-(3-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)

10/504,966



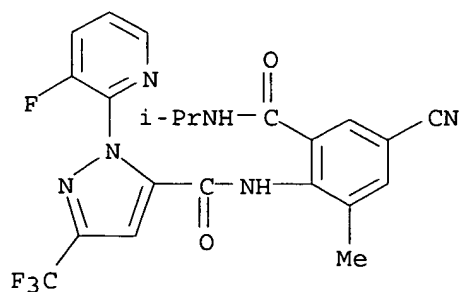
RN 736995-06-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-07-6 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[4-cyano-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

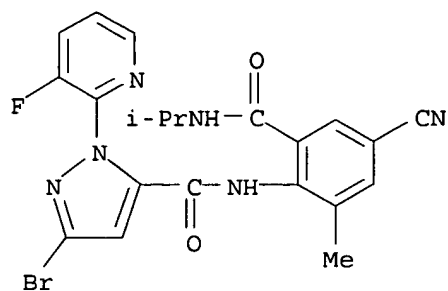


RN 736995-08-7 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)

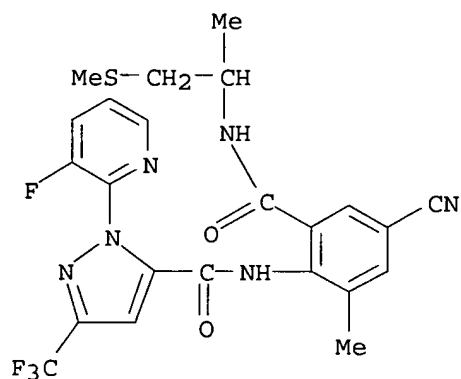


10/504,966



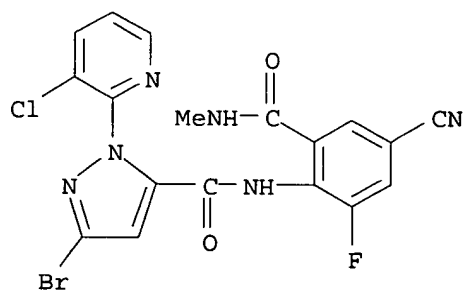
RN 736995-09-8 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[4-cyano-2-methyl-6-[[[1-methyl-2-(methylthio)ethyl]amino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736995-10-1 USPATFULL

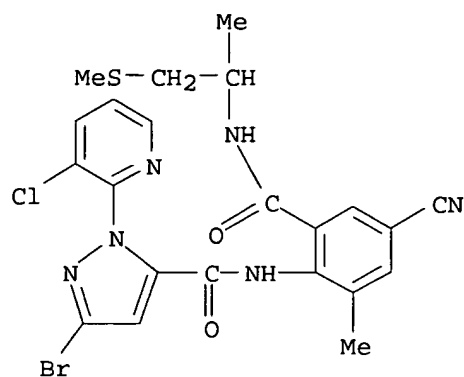
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-2-(methylthio)ethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-11-2 USPATFULL

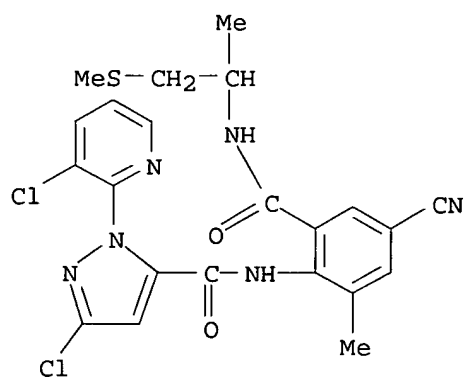
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-2-(methylthio)ethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

10/504,966



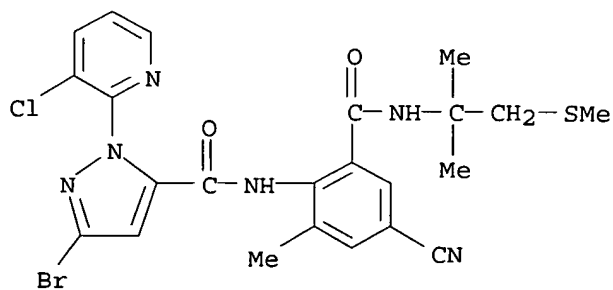
RN 736995-12-3 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[1-methyl-2-(methylthio)ethyl]amino]carbonyl]phenyl]- (9CI)  
(CA INDEX NAME)



RN 736995-13-4 USPATFULL

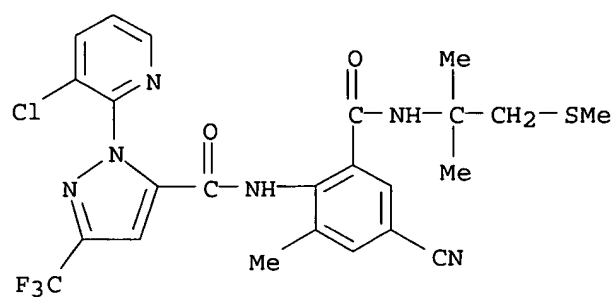
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[1,1-dimethyl-2-(methylthio)ethyl]amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736995-14-5 USPATFULL

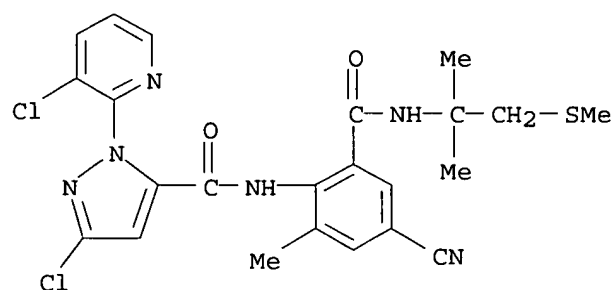
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[1,1-dimethyl-2-(methylthio)ethyl]amino]carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/504,966



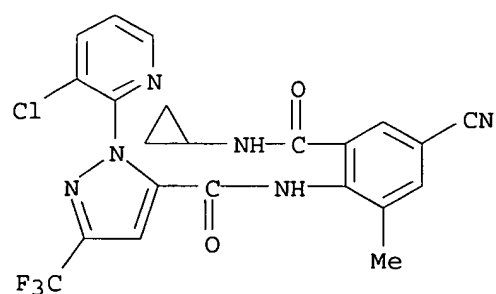
RN 736995-15-6 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[[1,1-dimethyl-2-(methylthio)ethyl]amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736995-16-7 USPATFULL

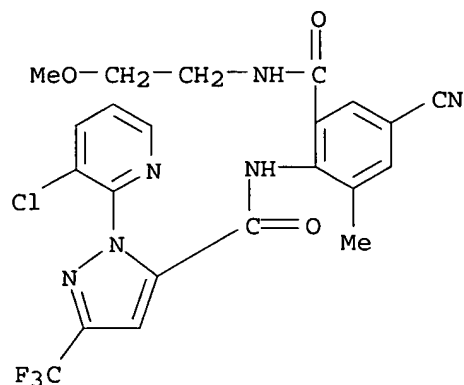
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[[4-cyano-2-[(cyclopropylamino)carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736995-17-8 USPATFULL

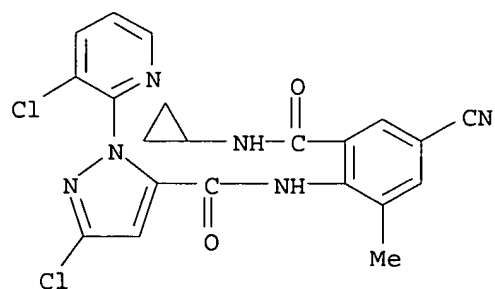
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[[4-cyano-2-[[2-methoxyethyl]amino]carbonyl]-6-methylphenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/504,966



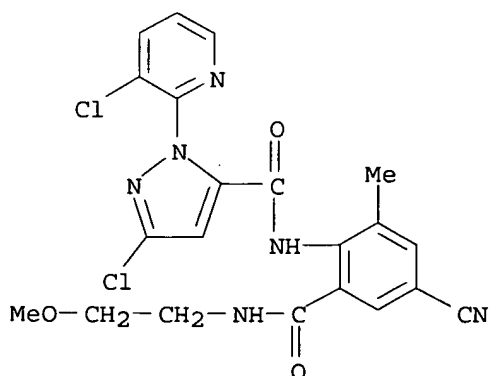
RN 736995-18-9 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[cyclopropylamino)carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736995-19-0 USPATFULL

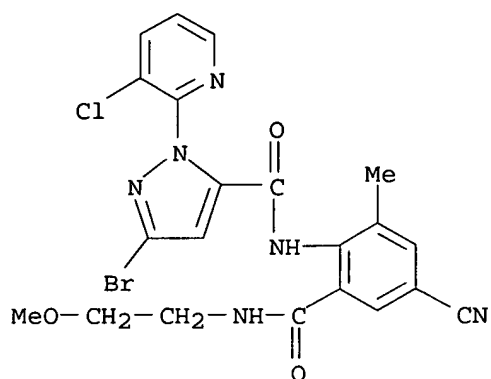
CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[2-methoxyethyl)amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736995-20-3 USPATFULL

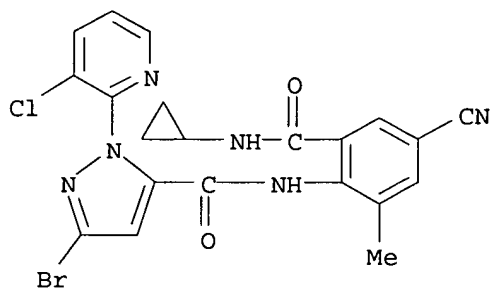
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[2-methoxyethyl)amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

10/504,966



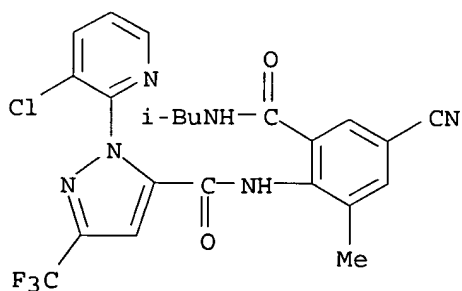
RN 736995-21-4 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[(cyclopropylamino)carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736995-22-5 USPATFULL

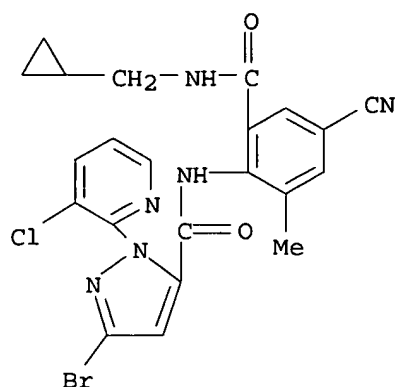
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[2-methylpropyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 736995-23-6 USPATFULL

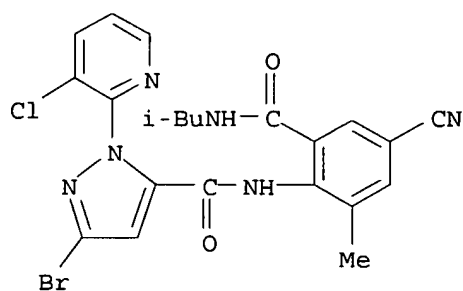
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-[[cyclopropylmethyl]amino]carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

10/504,966



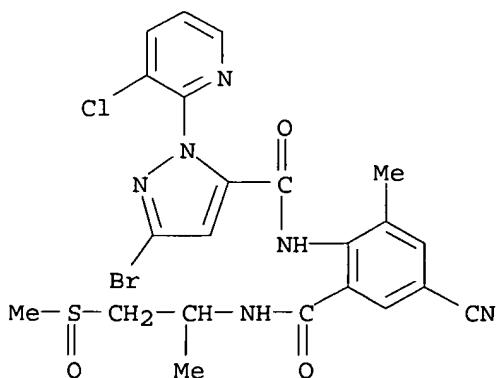
RN 736995-24-7 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[2-methylpropyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-25-8 USPATFULL

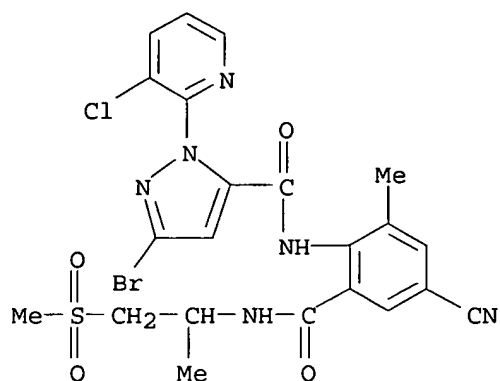
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-2-(methylsulfinyl)ethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-26-9 USPATFULL

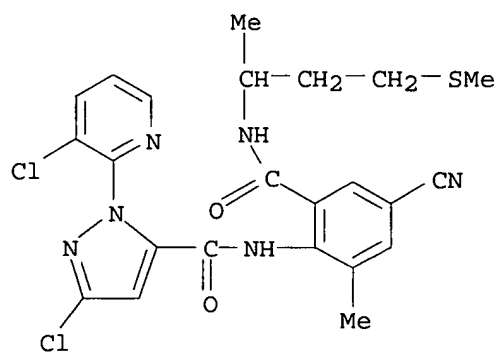
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-2-(methylsulfonyl)ethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

10/504,966



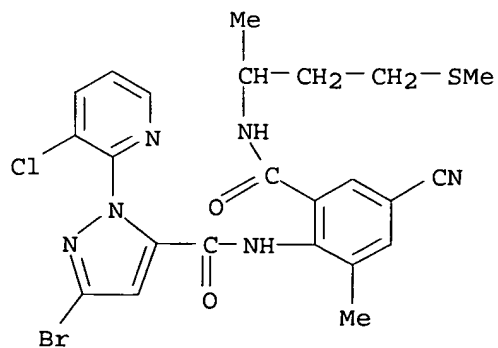
RN 736995-27-0 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-3-(methylthio)propyl]amino]carbonyl]phenyl]- (9CI)  
(CA INDEX NAME)



RN 736995-28-1 USPATFULL

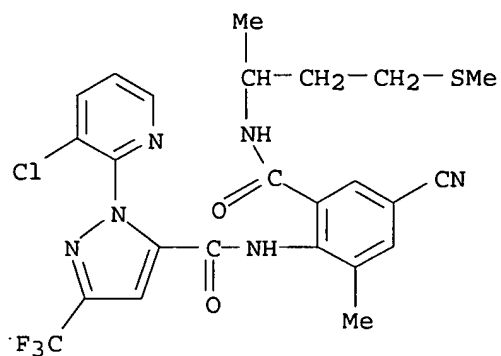
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-3-(methylthio)propyl]amino]carbonyl]phenyl]- (9CI)  
(CA INDEX NAME)



RN 736995-29-2 USPATFULL

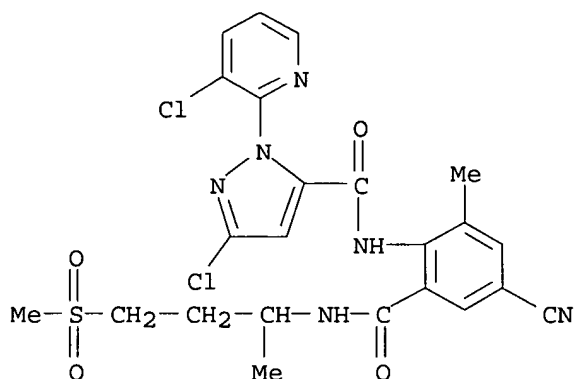
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-3-(methylthio)propyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

10/504,966



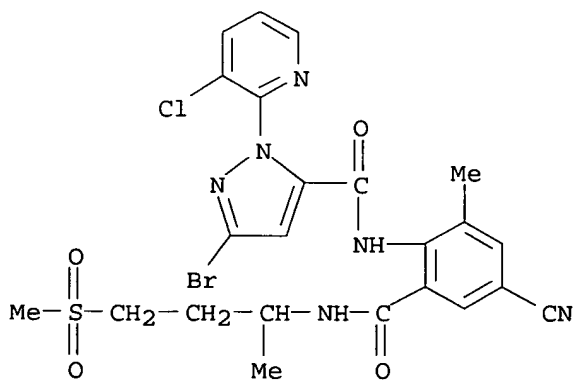
RN 736995-30-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-3-(methylsulfonyl)propyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-31-6 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methyl-3-(methylsulfonyl)propyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

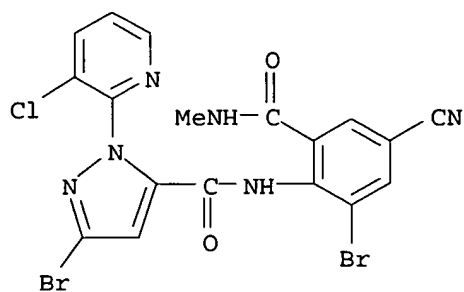


RN 736995-32-7 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-bromo-4-cyano-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)

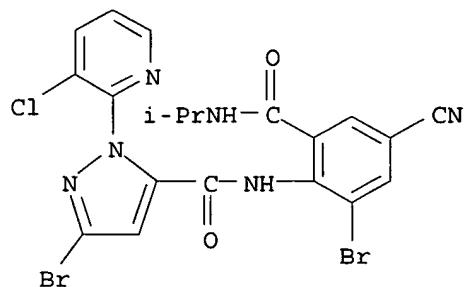


10/504,966



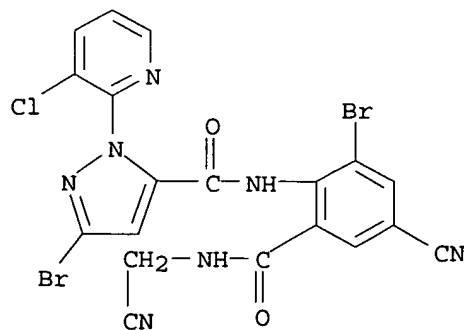
RN 736995-33-8 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-bromo-4-cyano-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-34-9 USPATFULL

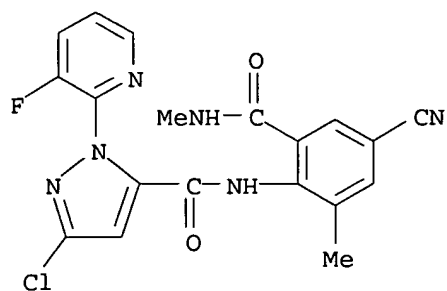
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[2-bromo-4-cyano-6-[(cyanomethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-35-0 USPATFULL

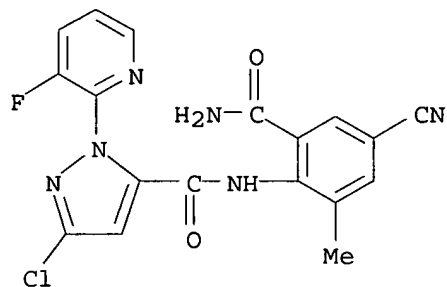
CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)

10/504,966



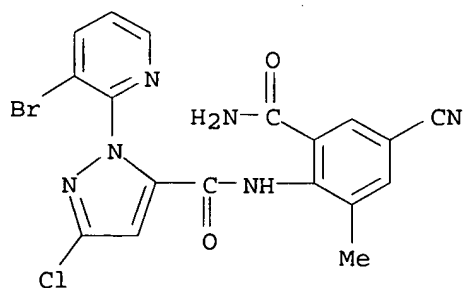
RN 736995-36-1 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-chloro-1-(3-fluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-37-2 USPATFULL

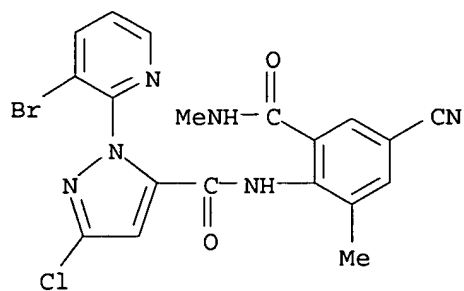
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-1-(3-bromo-2-pyridinyl)-3-chloro- (9CI) (CA INDEX NAME)



RN 736995-38-3 USPATFULL

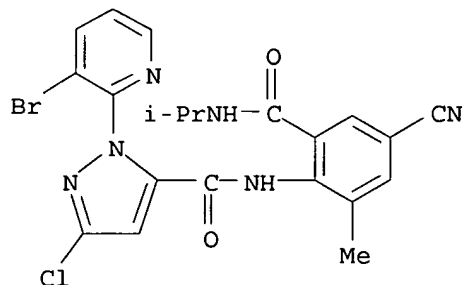
CN 1H-Pyrazole-5-carboxamide, 1-(3-bromo-2-pyridinyl)-3-chloro-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

10/504,966



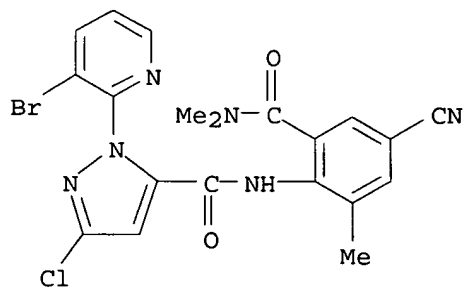
RN 736995-39-4 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-bromo-2-pyridinyl)-3-chloro-N-[4-cyano-2-methyl-6-[[1-methylethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-40-7 USPATFULL

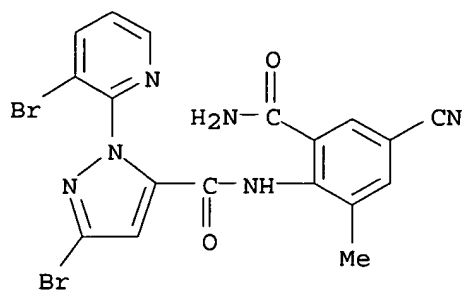
CN 1H-Pyrazole-5-carboxamide, 1-(3-bromo-2-pyridinyl)-3-chloro-N-[4-cyano-2-[(dimethylamino)carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



RN 736995-41-8 USPATFULL

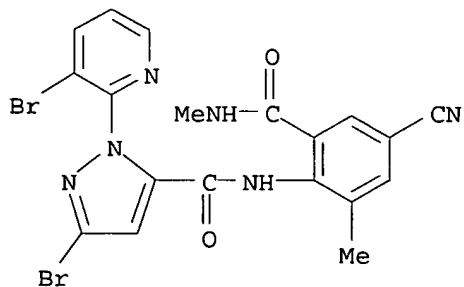
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-bromo-1-(3-bromo-2-pyridinyl)- (9CI) (CA INDEX NAME)

10/504,966



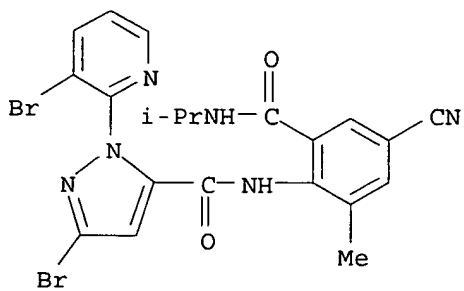
RN 736995-42-9 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-bromo-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-43-0 USPATFULL

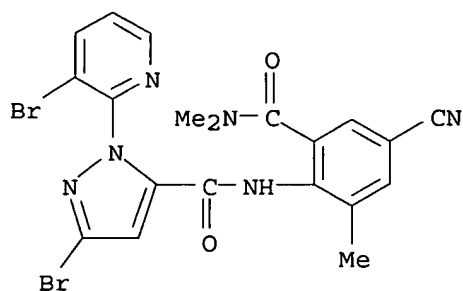
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-bromo-2-pyridinyl)-N-[4-cyano-2-methyl-6-[[[1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-44-1 USPATFULL

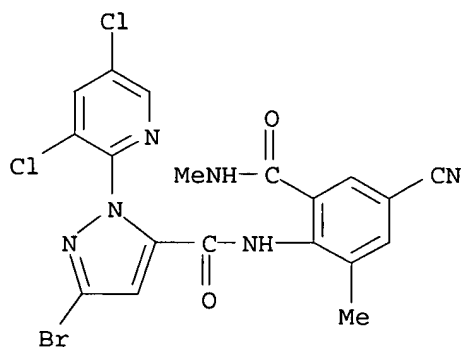
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-bromo-2-pyridinyl)-N-[4-cyano-2-[[dimethylamino)carbonyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)

10/504,966



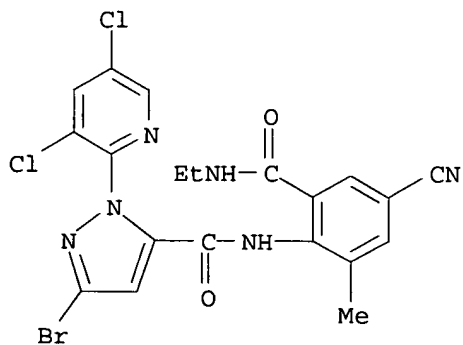
RN 736995-45-2 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3,5-dichloro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)



RN 736995-46-3 USPATFULL

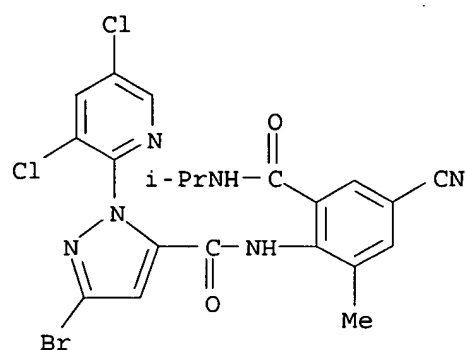
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-[(ethylamino)carbonyl]-6-  
methylphenyl]-1-(3,5-dichloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-47-4 USPATFULL

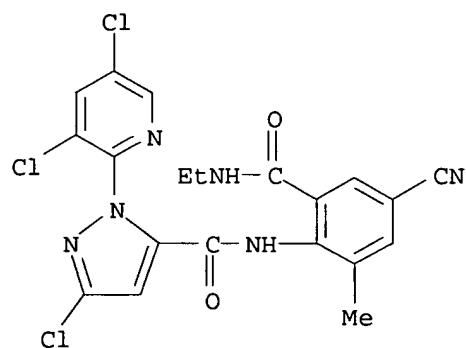
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-methyl-6-[[[(1-  
methylethyl)amino]carbonyl]phenyl]-1-(3,5-dichloro-2-pyridinyl)- (9CI)  
(CA INDEX NAME)

10/504,966



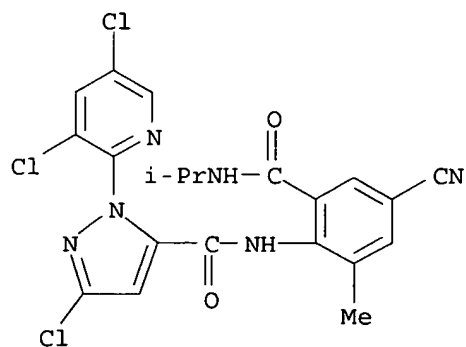
RN 736995-48-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3,5-dichloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-49-6 USPATFULL

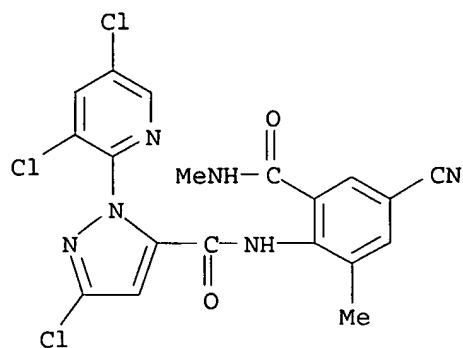
CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-cyano-2-methyl-6-[[[(1-methylethyl)amino]carbonyl]phenyl]-1-(3,5-dichloro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-50-9 USPATFULL

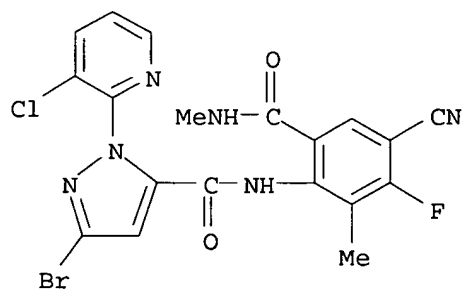
CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3,5-dichloro-2-pyridinyl)- (9CI) (CA INDEX NAME)

10/504,966



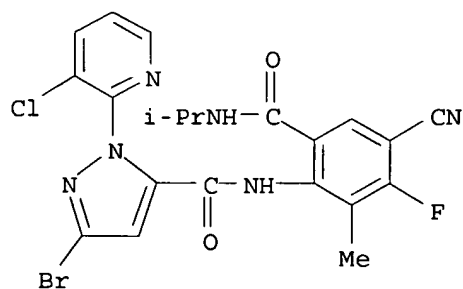
RN 736995-51-0 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-3-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-52-1 USPATFULL

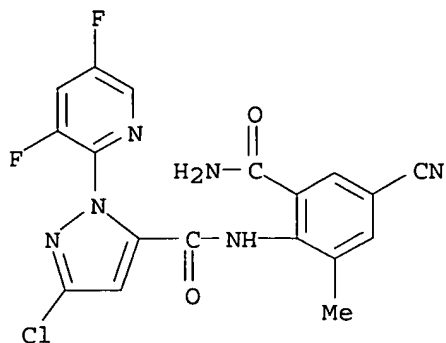
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-3-fluoro-2-methyl-6-[[1-methylethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 736995-53-2 USPATFULL

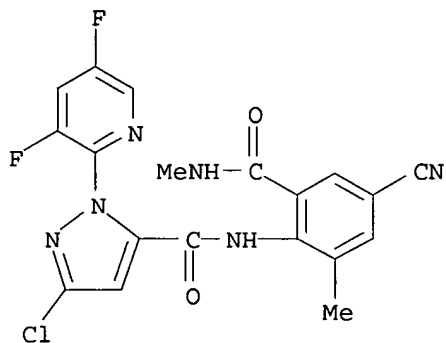
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-chloro-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)

10/504,966



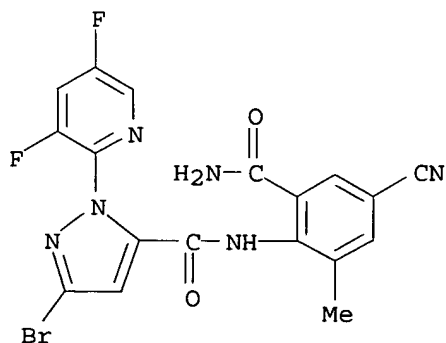
RN 736995-54-3 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-cyano-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)



RN 736995-55-4 USPATFULL

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-cyano-6-methylphenyl]-3-  
bromo-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)

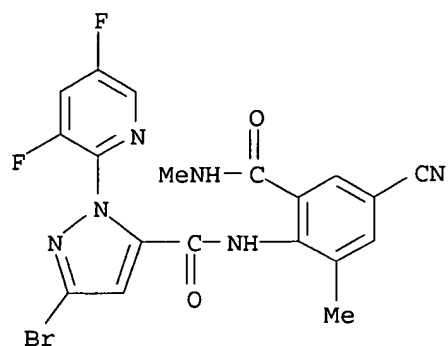


RN 736995-56-5 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA  
INDEX NAME)

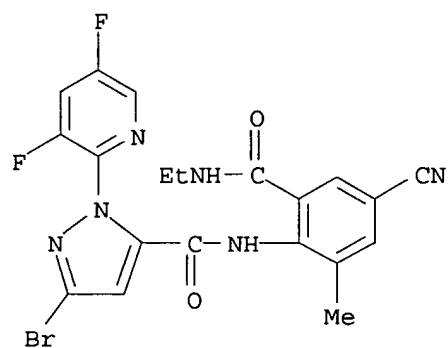


10/504,966



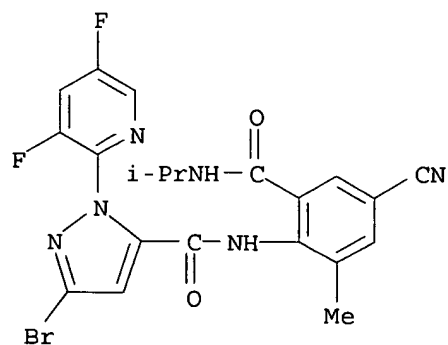
RN 736995-57-6 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



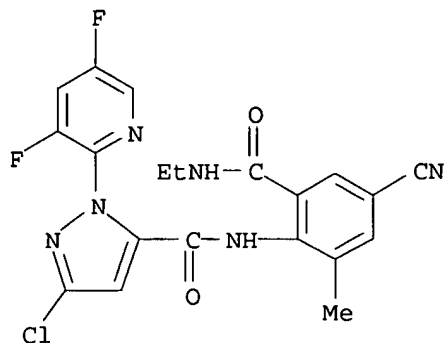
RN 736995-58-7 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-cyano-2-methyl-6-[(1-methylethylamino)carbonyl]phenyl]-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



RN 736995-59-8 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-cyano-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3,5-difluoro-2-pyridinyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2006:61173 USPATFULL

TITLE: Anthranilamide insecticides

INVENTOR(S): Lahm, George Philip, Wilmington, DE, UNITED STATES

Selby, Thomas Paul, Wilmington, DE, UNITED STATES

Stevenson, Thomas, Wilmington, DE, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006052343	A1	20060309
APPLICATION INFO.:	US 2003-527863	A1	20031001 (10)
	WO 2003-US31677		20031001
			20050316 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-416364P	20021004 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	E I du Pont de Nemours and Company, Legal-Patents,	
	Wilmington, DE, 19898, US	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2031	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides compounds of Formula I, N-oxides and suitable salts thereof ##STR1##

wherein A is O or S(O)<sub>m</sub>; J is a phenyl or heterocyclic ring as defined herein; and R<sub>sub.1</sub> through R<sub>sub.12</sub>, n, m and r are as defined in the disclosure. Also disclosed are methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound of Formula I, an N-oxide thereof or a suitable salt of the compound (e.g., as a composition described herein). This invention also pertains to a composition for controlling an invertebrate pest comprising a biologically effective amount of a compound of Formula I, an N-oxide thereof or a suitable salt of the compound and at least one additional component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 681123-96-6P

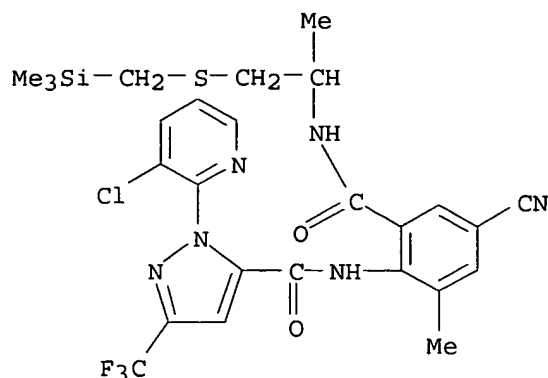
(preparation of anthranilamide derivs. for controlling invertebrate pests)

RN 681123-96-6 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-

10/504,966

[[[1-methyl-2-[[[(trimethylsilyl)methyl]thio]ethyl]amino]carbonyl]phenyl]-  
3-(trifluoromethyl)-(9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2006:16421 USPATFULL

TITLE: Novel anthranilamide insecticides

INVENTOR(S): Hughes, Kenneth Andrew, 83 HICKORY LANE, ELKTON, MD,  
UNITED STATES 21921  
Selby, Thomas Paul, Wilmington, DE, UNITED STATES  
Lahm, George Philip, Wilmington, DE, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006014808	A1	20060119
APPLICATION INFO.:	US 2003-529612	A1	20031112 (10)
	WO 2003-US36167		20031112
			20050330 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-426693P	20021115 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	E I du Pont de Nemours & Company, Legal Patents, Wilmington, DE, 19898, US	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4951	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides compounds of Formula I, N-oxides and suitable salts thereof (INSERT FORMULA I HERE) wherein Y and V are each independently N or CR.sub.4a; W is N, CH or CR.sub.6; and R.sub.1 through R.sub.6, and n are as defined in the disclosure. This invention also pertains to a composition for controlling an invertebrate pest comprising a biologically effective amount of a compound of Formula I, an N-oxide thereof or an agronomic or nonagronomic suitable salt of the compound and at least one additional component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent, and optionally further comprising an effective amount of at least one additional biologically active compound or agent. Also disclosed are methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound of Formula I, an N-oxide thereof or an agronomic or nonagronomic suitable salt of the compound or with the composition described herein. ##STR1##

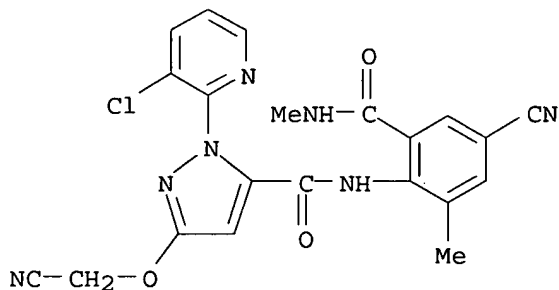
10/504,966

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **697799-64-7P**, 1-(3-Chloro-2-pyridinyl)-N-[2-methyl-4-cyano-6-  
[(methylamino)carbonyl]phenyl]-3-(cyanomethoxy)-1H-pyrazole-5-carboxamide  
(insecticide; preparation of novel pyrazole-based anthranilamide  
insecticides)

RN 697799-64-7 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-3-(cyanomethoxy)-N-[4-  
cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:268380 USPATFULL

TITLE: Anthranilamide arthropodicide treatment

INVENTOR(S): Berger, Richard A, Claymont, DE, UNITED STATES  
Flexner, John Lindsey, Landenberg, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004209923	A1	20041021
APPLICATION INFO.:	US 2004-485125	A1	20040126 (10)
	WO 2002-US30302		20020910

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-323941P	20010921 (60)
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LEGAL REPRESENTATIVE:	Linda A Birch, E I du Pont de Nemours and Company, Legal-Patents, Wilmington, DE, 19898	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	6453	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention pertains to methods for protecting a propagule or a plant grown therefrom from invertebrate pests comprising contacting the propagule or the locus of the propagule with a biologically effective amount of a compound of Formula I: its N-oxide or an agriculturally suitable salt thereof wherein A and B and R<sup>sup.1</sup> through R<sup>sup.8</sup> are as defined in the disclosure. This invention also relates to propagules treated with a compound of Formula I and compositions comprising a Formula I compound for coating propagules. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

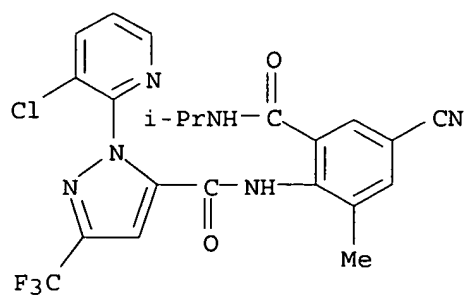
IT **500011-03-0**  
(anthranilamide compds. as pesticides for plant propagation material)

RN 500011-03-0 USPATFULL

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-  
[[1-methylethyl]amino]carbonyl]phenyl]-3-(trifluoromethyl)- (9CI) (CA

10/504,966

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